

**Work Plan for Removal of Polychlorinated Biphenyls in Caulking
Southeastern Regional Vocational Technical High School
South Easton, Massachusetts**

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INTRODUCTION

On behalf of Southeastern Regional Vocational Technical High School (Southeastern), Luis Lopes, Superintendent of Schools, is responsible for the work outlined in this work plan. The work will be conducted in conjunction with a school renovation project that began in 2010, and is ongoing throughout Southeastern Regional Vocational Technical High School, located at 250 Foundry Street in South Easton, Massachusetts.

In preparation for this project Smith & Wessel Associates, Inc. (SWA) has inspected and sampled at windows, vents, and expansion joints to determine if polychlorinated biphenyls (PCBs) were present. SWA collected samples of various caulking and glazing compounds throughout the school. Sample results indicate that PCB levels exceed the allowable concentration limits specified by the United States Environmental Protection Agency (EPA) Toxic Substances Control Act (TSCA) regulations in caulking and expansion joints in the original (1965) building.

The school includes three construction periods. The original building construction (1965) consists of all or parts of Buildings 1, 2, 3, 4, 5, 6, and 7. The 1974 construction includes all or parts of Buildings 5, 8 and 9. A small portion of Building 1 was added in the 1990's. Refer to Appendix E for a diagram outlining the different construction phases. The building contains approximately 309,000 square feet total. Interior construction is concrete block with an exterior façade.

Southeastern plans to remove the identified PCBs as part of the renovation/addition project, which is phased to occur from 2012 to 2013. See Appendix G for the construction phasing plan. It is the intention of the project not to impact or disturb PCBs until they are appropriately abated. SWA has created this work plan to address the presence of and removal of the PCBs. This work plan is presented to support an application for a Title 40 Code of Federal Regulations (CFR) disposal plan as outlined in 40 CFR 761.62(a) and 761.61(a) for disposal of PCB-contaminated caulking materials and associated porous materials.

Work activities shall include removal of the identified regulated PCBs caulking materials associated with windows, vents, and expansion joints, and disposal of these materials as PCBs waste. Any adjacent porous materials, such as fiber board, that contain non-authorized PCBs will be disposed of as PCB waste, as well.

Following remediation, a mandatory visual inspection and confirmatory surface sampling will be conducted by a qualified environmental professional independent of the remediation contractor. Post-remediation surface sampling results shall be 1 micrograms per 100 square centimeters ($1 \mu\text{g}/100 \text{ cm}^2$) or less for unrestricted use and disposal per 40 CFR 761.79. Because some of the masonry onto which caulking was applied may have become contaminated by PCBs through a leaching process, we anticipate that the above standard may not be achievable on some substrates through normal removal and cleaning

methods. Because destructive removal of masonry at the school is not practical, this plan provides for a method to encapsulate these affected substrates, thereby providing a barrier between the PCBs and the environment.

Remediation of non-authorized PCBs and work related to it is expected to be completed in a phased approach as part of the renovation project over a two year period.

1.0 SAMPLING AND ASSESSMENT

1.1 *Sampling of Caulk and Window Glazing Compound*

On September 1, 2010, September 30, 2011, and February 13, 2012, SWA representatives collected samples of various caulking and glazing compounds throughout interior and exterior sections of the school. The purpose of the sampling was to determine PCBs concentrations in these materials.

SWA collected 17 samples including window glazing compound, window caulking, vent caulking, and expansion joint caulking. Materials that were identified appeared to be original to the building. Multiple layers were not observed in any of the sampling locations.

SWA collected a minimum of 2 grams per suspect materials sample which were then placed into labeled individual sealed containers for transport to the laboratory.

EMSL Analytical of Westmont, New Jersey, analyzed the initial batch of samples collected on September 1, 2010. New England Testing Laboratory, Inc. (NetLabs) of North Providence, Rhode Island, a fully accredited analytical laboratory, analyzed the remaining samples (See attached results in Appendix A).

Results ranged from <1 ppm to 52,000 ppm. Materials that exceeded the EPA limit of 50 ppm for PCBs included exterior window caulking, vent caulking, and expansion joint caulking. Additionally, PCBs concentrations of 1 ppm but less than 50 ppm were measured in window glazing compound, window caulking, and expansion joint caulking. Where PCBs are present between 1-50 ppm, they may be regulated if the PCBs content is related to contamination from another PCBs material that had been present in a concentration exceeding 50 ppm. However, at this site where PCBs were present in concentrations between 1-50 ppm, the window glazing compound and expansion joint caulk are original. These materials are classified as an “excluded PCB product”, as they were legally installed prior to October 1, 1984 and the resultant PCB concentration less than 50 ppm was not the result of leaks or spills in concentrations over 50 ppm.

Tables 1 summarizes the results of all PCBs sampling of caulks and window glazing compound conducted at Southeastern. Laboratory results are included as Appendix A.

Table 1 • Results of PCBs Analysis – Caulking & Glazing Compound		
Sample Number	Material/Location	PCBs* Content (ppm)
Original 1965 Building		
090110-01, EG-01A and EG-01B	Exterior window glazing compound	3.7 to 26.2
IG-01A and IG-01B	Interior window glazing compound	1.52 to 1.53

Table 1 • Results of PCBs Analysis – Caulking & Glazing Compound		
Sample Number	Material/Location	PCBs* Content (ppm)
090110-02	Interior window caulking	1.0
090110-03	Vent caulking	32,000
090110-04	Exterior window caulking	19,000
090110-05	Expansion joint caulking	< 5
1974 Construction		
WC-01-A, WC-01B, WC-02-A, and WC-02-B	Exterior window caulking	< 1
MC-01-A, MC-01-B, MC-02-A, and MC-02-B	Exterior mullion caulking	< 1

* Aroclor 1254 was the prominent PCBs congener detected in the analysis, while Aroclor 1248 was also detected in samples MC-02-A, and MC-02-B.

1.2 Sampling of Air

Air sampling for PCBs was conducted during school vacation week on December 29, 2011. SWA conducted the sampling according to the EPA protocol established in Method TO-10A. This method utilizes low volume Polyurethane Foam (PUF) sampling followed by Gas Chromatographic/Multi-Detector Detection (GC/MD). The low volume sample pumps were calibrated to 3.0 liter of air per minute and placed at four to five feet from the ground for an approximately 6 hour sampling period. SWA applied distinct sample numbers to each sample and recorded the number, location, sampling times and flow rates on a field form. On completion of the sampling, the samples were appropriately packaged and delivered using appropriate chain-of-custody to NetLab for analysis.

Air sample locations were selected to assure that a cross-section of areas were sampled on various levels of the school. This included an exterior control sample, samples in the 1965 wing and one sample in the 1974 wing.

Results of air sample analysis are summarized in Table 2 below. Laboratory data sheets are included in Appendix B.

Table 2 • Results of PCBs Analysis – Air Samples					
Sample No.	Date	Sampling Period	Volume (liters)	Description/Location	PCBs Result (ng/m ³)
12-29-11-01	12/29/11	8:05 am to 1:48 pm	1,029	Room 4-430	None Detected
12-29-11-02	12/29/11	8:09 am to 1:52 pm	1,029	Room 5-110A	None Detected
12-29-11-03	12/29/11	8:14 am to 1:56 pm	1,026	Room 6-665A	None Detected
12-29-11-04	12/29/11	8:19 am to 2:01 pm	1,026	Main Lobby	None Detected
12-29-11-05	12/29/11	8:23 am to 2:06 pm	1,029	Hall at Room 2-262	None Detected
12-29-11-06	12/29/11	8:27 am to 2:09 pm	1,026	Exterior Courtyard	None Detected

The EPA has calculated a “reference dose” of 20 nanograms PCB per kilogram of body weight per day that will not cause harm. In turn, they established air concentrations for school environments that should keep exposures below the reference dose. Assuming a background of no significant PCB contamination in building materials, an airborne concentration of 600 ng/m³ for high school students, aged 15 years to less than 19 years old, should assure exposure is not above the reference dose. For adults 19 years and older, a concentration below 450 ng/m³ is considered acceptable.

Air analysis was conducted for PCBs homologs on December 29, 2011. In all six air samples collected, no PCBs were detected above the level of detection of the sampling method, 10 nanograms per cubic meter of air (ng/m³). These results are well below EPA standards related to acceptable PCBs in air for all populations.

1.3 Sampling of Substrates

On September 30, 2011, December 21, 2011, November 28, 2012, and December 12, 2012, SWA collected samples of concrete and brick substrates that abut PCBs-containing caulk joints. Samples were collected using protocol established by the Region 1, EPA-New England Draft Standard Operating Procedure for Sampling Concrete in the Field. SWA collected samples one-half inch from joints containing caulk and at varying distances from the joints to determine if PCBs leaching had occurred into the adjacent

substrates.

Samples were collected of both brick and concrete using a carbide drill bit attached to a rotary impact hammer drill to obtain a minimum of two gram sample for analysis. The resulting powdered brick and concrete block debris were collected into individual glass leak-tight sample containers. The samples were labeled and the sample number and description were recorded onto a field data sheet and delivered using appropriate chain-of-custody to NetLab, for analysis. The laboratory analyzed the samples for PCBs content using Method 3540C/8082 as detailed in Table 3.

Table 3 • Results of PCBs Analysis – Masonry Products		
Sample Number	Location	PCBs* Content (ppm)
B093011-01-A	Exterior brick at Room 7-701, ½” from caulk joint	<1
B093011-02-A	Exterior brick at Room 2-252, ½” from caulk joint	<1
B-11-28-01	Exterior brick at Room 2-215, ½” from caulk joint	<1
B-11-28-02	Exterior brick at Room 4-127 (formerly 5-109), ½” from caulk joint	<1
B-11-28-03	Exterior brick at Room 6-125, ½” from caulk joint	67.5
12-11-01A	Exterior brick at Room 6-125, ½” from caulk joint	7.8
12-11-01B	Exterior brick at Room 6-125, 1” from caulk joint	6.64
12-11-01C	Exterior brick at Room 6-125, 2” from caulk joint	<1
B-11-28-04	Exterior brick at Room 6-229, ½” from caulk joint	1.59
12-11-02A	Exterior brick at Room 6-229, ½” from caulk joint	1.23
12-11-02B	Exterior brick at Room 6-229, 1” from caulk joint	<1
B-11-28-05	Exterior brick at Room 7-213, ½” from caulk joint	<1
B-11-28-06	Exterior brick at Room 1-219, ½” from caulk joint	<1
B-11-28-07	Exterior brick at Room 5-111 (formerly 4-401), ½” from caulk joint	<1
M093011-01-A	Exterior window mullion at Room 7-701, ½” from caulk joint	4.08

Table 3 • Results of PCBs Analysis – Masonry Products		
Sample Number	Location	PCBs* Content (ppm)
M093011-01-B	Exterior window mullion at Room 7-701, 4" from caulk joint	<1
M122111-02A	Exterior window mullion at Room 7-701, 1" from caulk joint	1.03
M122111-02B	Exterior window mullion at Room 7-701, 2" from caulk joint	<1
M093011-02-A	Exterior window mullion at Room 2-252, ½" from caulk joint	2.83
M093011-02-B	Exterior window mullion at Room 2-252, 4" from caulk joint	<1
M122111-01A	Exterior window mullion at Room 2-252, 1" from caulk joint	<1
M-11-28-01	Exterior window mullion at Room 2-124, 2" from caulk joint	1.50
M-11-28-02	Exterior window mullion at Room 4-127 (formerly 5-109), 2" from caulk joint	<1
M-11-28-03	Exterior window mullion at Room 6-125, 2" from caulk joint	3.96
M-11-28-04	Exterior window mullion at Room 6-229, 2" from caulk joint	1.64
M-11-28-05	Exterior window mullion at Room 7-213, 2" from caulk joint	1.15
M-11-28-06	Exterior window mullion at Room 1-219, 2" from caulk joint at decorative stone facade	<1
M-11-28-07	Exterior window mullion at Room 5-111 (formerly 4-401), 2" from caulk joint	2.0
V093011-01-A	Exterior cement at Room 3-361, ½" from vent caulking	1.1
V093011-01-B	Exterior cement at Room 3-361, 4" from vent caulking	<1
V122111-02A	Exterior cement at Room 3-361, 1" from vent caulking	<1
V093011-02-A	Exterior cement at Room 2-253, ½" from vent caulking	12
V093011-02-B	Exterior cement at Room 2-253, 4" from vent caulking	<1
V122111-01A	Exterior cement at Room 2-253, 1" from vent caulking	<1

Table 3 • Results of PCBs Analysis – Masonry Products		
Sample Number	Location	PCBs* Content (ppm)
V-11-28-01	Exterior cement at Room 4-127, 1" from vent caulking at brick	<1
V-11-28-02	Exterior cement at Room 6-125, 1" from vent caulking	3.36

* Aroclor 1254 was the PCBs congener detected in the samples.

Sample results abutting concrete window mullions varied with less than one ppm PCBs detected at some locations at one and two inches, respectively, from the caulk seam. However, levels above one ppm were also detected in several locations two inches from the seam. Based on these results, we conclude that the entire mullion, which is four inches wide in most locations, is potentially contaminated by PCBs.

For concrete samples at vents, PCBs concentrations immediately adjacent to the caulk joints ranged from 1.5 to 12 ppm, one sample at one inch from the joint contained 3.36 ppm, while at four inches from caulk joints, all samples indicated PCBs concentrations below one ppm. Based on this, we conclude that contamination is limited to less than four inches in concrete surrounding vents.

At one-half inch and one inch from brick seams, results ranged from less than one ppm to 67.5 ppm. No PCBs were detected at several locations at one-half inch from the brick seam. In the location where elevated PCBs were detected at one-half inch and one inch from the seam, an additional test at two inches from the seam indicated PCBs concentrations less than 0.2 ppm, the detection limit of the sampling method. Based on these results, we conclude that contamination is limited to within two inches of brick seams.

1.4 Sampling of Soil

On September 30, 2011, SWA collected samples of soil at the dripline (18" from the edge) for the 1965 building. Samples of the top three inches of soil were collected at each location. On December 21, 2011, additional sampling was conducted of soil at the dripline from three to six inch depth, as well as at three feet from the building edge in the top three inches of soil. Soil was placed into individual glass sample jars that were labeled with sample numbers and descriptions marked on corresponding chain-of-custody forms. Samples were delivered to NetLab for analysis for PCBs content using Method 3540C/8082 as detailed in Tables 4A and 4B below.

Table 4A • Results of PCBs Analysis – Soil		
Sample Number	Location	PCBs* Content (ppm)
S093011-01	Room 2-252 at caulk drip line, top 3" depth	1.42

Table 4A • Results of PCBs Analysis – Soil		
Sample Number	Location	PCBs* Content (ppm)
S093011-02	Room 2-259 at caulk drip line, top 3” depth	1.13
S093011-03	Room 6-675 at caulk drip line, top 3” depth	<1
S093011-04	Room 2-231 at caulk drip line, top 3” depth	1.23
S093011-05	Room 2-219 at caulk drip line, top 3” depth	2.04
S093011-06	Room 1-125 at caulk drip line, top 3” depth	1.75
S093011-07	Room 4-401 at caulk drip line, top 3” depth	<1
S093011-08	Room 6-660 at caulk drip line, top 3” depth	1.79

Concentrations of PCBs in six of the eight samples collected at the drip line, approximately 1.5 feet from the building slightly exceeded the EPA limit of one ppm for PCBs in soils, while the PCBs content of two of the samples was less than one ppm.

Table 4B • Results of PCBs Analysis – Soil		
Sample Number	Location	PCBs* Content (ppm)
S122111-01A	Room 2-252, 1.5’ from caulk, 3”-6” depth	1.04
S122111-01B	Room 2-252, 3’ from caulk, top 3” depth	<1
S122111-02A	Room 2-259, 1.5’ from caulk, 3”-6” depth	<1
S122111-02B	Room 2-259, 3’ from caulk, top 3” depth	<1
S122111-03A	Room 2-231, 1.5’ from caulk, 3”-6” depth	<1
S122111-03B	Room 2-231, 3’ from caulk, top 3” depth	<1
S122111-04A	Room 2-219, 1.5’ from caulk, 3”-6” depth	<1
S122111-04B	Room 2-219, 3’ from caulk, top 3” depth	<1
S122111-05A	Room 1-125, 1.5’ from caulk, 3”-6” depth	<1
S122111-05B	Room 1-125, 3’ from caulk, top 3” depth	<1
S122111-06A	Room 6-660, 1.5’ from caulk, 3”-6” depth	<1
S122111-06B	Room 6-660, 3’ from caulk, top 3” depth	<1

Follow-up sampling was conducted to determine if PCBs concentrations exceed one ppm below the top three inches of soil and beyond the building’s dripline. Sampling of soil at the dripline was conducted in the soil from three to six inches in depth. Five of these six samples had PCBs concentrations below one ppm with a fifth sample at 1.04 ppm. The average of these samples is well below one ppm. Six samples were also collected of the top three inches of soil three feet from the edge of the building. The PCBs concentrations of these samples were all less than one ppm.

Based on these results, PCBs in soils above the one ppm threshold are limited to the top six inches of soil within 18 inches of the building edge.

2.0 REGULATIONS, PERMITS & QUALIFICATIONS

The remediation contractor shall be responsible for obtaining all necessary permits for removal and disposal of all PCBs-contaminated materials at Southeastern Regional Vocation Technical High School. The cost for the necessary permits shall be included in the contractor's submittal to the Southeastern Regional School District. It shall be the contractor's responsibility to adhere to all applicable federal, state and local rules and regulations, which may include those of the EPA, the Massachusetts Department of Environmental Protection (MA DEP), the U.S. Occupational Safety and Health Administration (OSHA) and the Easton Fire Department.

The contractor shall conform to all stipulations and permits identified in the contract bid documents, including any conditions set forth in the EPA approval. Where a conflict arises between regulations, the contractor shall adhere to the most stringent regulation.

2.1 Work Procedures

The contractor shall prepare written work and health and safety plans. The work plan shall be prepared and submitted both to the EPA as well as to the Southeastern Regional School District. Consideration should be given to the protection of workers, other contractors, school and city employees and visitors, from PCBs in any and all forms. Work procedure plans shall address the following at a minimum:

- Air monitoring to be conducted by the contractor with the establishment of appropriate action levels. Where action levels are exceeded, the plan shall include provisions for work stoppage and adjusted work practices and engineering controls to assure action levels do not continue to be exceeded;
- Engineering controls and work practices that will ensure that PCBs will not be released from the work area and will protect workers health and safety within the work area;
- Workers' protective clothing and equipment, and workers' safe work practices in work areas; such as the exclusion of eating, drinking, and smoking, while in work areas;
- Proper construction, placement and use of decontamination facilities for workers and others who enter work areas;
- The posting of appropriate warning signs at all entrances to each work area;
- Removal and waste disposal methods;
- End of work shift cleaning and storage practices, and plans to securely cover any window or door openings at the end of the day;

- Contingency plans addressing possible contamination inside or outside the work areas;
- Identification of waste disposal site(s); and
- Supervision of work at all times by a competent person.

2.2 Training & Certification

Personnel involved in remediation activities shall have all required training, medical certifications and respirator fit testing as specified by OSHA. A competent person representing the contractor must be on site at all times during remediation work. Contractor must have completed a Hazards Communication Program in conformance with 29 CFR 1926.59.

2.3 Contractor Qualifications

The contractor must meet the following minimum requirements:

- Documented experience in the remediation and proper disposal of PCBs-contaminated materials
- Have the resources (staff, materials, equipment, etc.) to complete the scope of work
- Have a written health and safety program that addresses the cleanup of hazardous materials
- An understanding of federal TSCA regulations

2.4 Fire Safety & Emergency Action Plans

The contractor shall have on site, fire safety and emergency action plans. These plans shall include the following at a minimum:

- Emergency escape procedures and routes
- The duties of all personnel during emergencies
- A listing of all workplace hazards associated with remediation work
- Contact names and numbers

3.0 SCOPE OF WORK

3.1 Scope of Work

This scope of work addresses the removal and proper disposal of PCB-contaminated caulking materials in the original (1965) building of Southeastern Regional Vocational Technical High School. All caulking with PCB concentrations of greater than 50 ppm shall be removed for proper disposal by a qualified remediation contractor. Additionally, any non-porous surfaces that may have become contaminated by the abutting PCBs caulk shall be appropriately cleaned to the acceptance criteria of 1 µg/100 cm².

An encapsulant shall be applied to porous concrete abutting caulk joints to assure a barrier is created between the substrate and building occupants. The encapsulant shall be applied within the caulk seam after all caulk has been removed, surfaces appropriately cleaned of all caulk residues, and Capsur has been applied to further remediate any residual caulk. All surfaces within 1 inch of caulk seams shall be encapsulated. All remediation activities shall comply with EPA TSCA requirements to protect the environment and public health. All materials shall be disposed of in a manner to meet all federal and state regulatory requirements.

Table 6 presents a summary of the materials to be abated and their locations. Quantities are shown in linear feet (lf).

Table 5 • PCB-Containing Caulking Locations		
Location	Material	Estimated Quantity
1965 Buildings		
Exterior		
Buildings 1, 2, 3, 4, 5, 6, 7	Caulking at windows/mullions	7,307 lf*
Buildings 1, 2, 3, 4, 5, 6, 7	Vent caulking – on brick or concrete	500 lf
Building 6	Expansion joint caulking – on brick	60 lf

* Approximately 1,200 linear feet of caulking abuts brick rather than concrete mullion.

Where window caulking is removed, the process shall include removal of the window frame including all glazing compound as part of this process. The removed windows shall be placed into plastic bags sealed with duct tape or wrapped using 6-mil polyethylene sheeting sealed with duct tape.

3.2 Work Sequencing

The work sequence should consist of the following:

- Preparation and containment of work areas
- Caulking removal
- Caulking disposal
- Decontamination of masonry and metal surfaces
- Visual inspection
- Confirmatory surface sampling

The contractor shall be responsible for supplying all necessary labor, materials, and equipment in order to complete this scope of work. The work will not be considered complete until final visual inspection and testing results have been obtained and documentation of waste disposal has been submitted to the Southeastern Regional School District.

3.3 Schedule

Remediation activities shall be performed according to the schedule set forth by the Southeastern Regional School District. Scheduling should take into account the activities of other contractors that will be on site. Remediation is expected to be conducted during daytime hours beginning in 2012 and completed by Summer, 2013, according to the project phasing schedule.

Please reference the specification section, CMR Project Schedule Requirements.

4.0 SITE PREPARATION

4.1 *Work Area Isolation*

Warning tape and signs clearly demarcating exclusion zones must be displayed at all times by the contractor. Exclusion zones shall be off limits to unauthorized personnel at all times.

Contractor shall establish full containment enclosure at PCBs caulk removal locations using two layers of 6-mil polyethylene sheeting sealed with duct tape secured to staging or other appropriate structure. Establish sufficient negative pressure (0.2 inches water column) to assure air movement flows into the containment using air filtration devices equipped with HEPA filtration. Only access work areas through one-stage decontamination facility.

4.2 *Waste Containers*

The contractor shall be responsible to obtain and place on site, the appropriate PCBs waste containers. Placement of waste containers shall be coordinated with the general contractor. The waste containers shall be clearly marked according to 40 CFR Part 761.40 as accepting PCBs waste only and shall be kept secure so that no other waste is accidentally co-mingled with PCBs waste.

5.0 REMOVAL PROCEDURES

5.1 *Caulking Removal*

Caulking shall be removed using the following procedures:

- Without causing damage to building finishes and construction materials, use hand or power tools to scrape, chisel, or otherwise remove caulking from all locations outlined in section 3.1 of this work plan to the point where no visible caulking remains. Residual caulking remaining on masonry and metal surfaces, such as vent louvers shall also be removed by scraping, wire brushing, or other appropriate methods to completely remove caulk from the substrate without damaging it. In lieu of removing caulk from vent louvers, the vent louvers may be disposed of as PCB remediation waste. A low pressure hand sprayer shall be used to wet materials and keep dust levels to a minimum.
- Use a HEPA filter vacuum to clean up dust and residue. Wet wiping methods may also be used.
- Place all waste in appropriately lined and labeled 55-gallon drums for transport to the waste disposal site.

5.2 *Cleaning of Adjacent Surfaces*

Any metal vents, window frames, columns, concrete, and like surfaces that may have PCB-contaminated caulking on them or abutting them shall be decontaminated before re-use or disposal. Decontamination will be conducted in the following manner:

- Use hand and power tools equipped with wire brush or similar attachment, as necessary, to scrape, chisel, or grind caulking from non-porous surfaces. Assure removal method does not damage any substrate to remain.
- Clean surfaces with a water-based solvent such as Capsur by Integrated Industries, or approved equal. No visible caulking or related residue shall remain at the completion of the cleaning process.
- Used cloths that are used in the cleaning process and liquid wastes shall be collected and disposed of as TCA/RCRA waste.
- Engineering controls and personal protective equipment, including respiratory protection must be employed to prevent spread of contaminants from the work area and to protect workers.

5.3 *Final Cleaning*

All surfaces within the work area, including polyethylene sheeting, shall be thoroughly cleaned using a combination of wet wiping and HEPA vacuum until a level of no visible

debris is achieved.

When cleaning is complete, a visual inspection and confirmatory wipe sampling will be conducted per Section 7 of this work plan.

5.4 Soils Removal

Testing of soils around the 1965 building indicated PCBs concentrations of less than one to 2.04 ppm in the top three inches of soil within 1.5 feet of the building. Additional sampling indicated PCBs concentrations below one ppm in soils at 3 feet from the building and below one ppm in the five of six samples collected 1.5 feet from the building from three to six inch depth.

Based on these results, in all non-paved locations abutting the 1965 building, Contractor shall remove the top six inches of soil from the edge of the building to a point 3 linear feet from the edge of the building and package and dispose of it as PCB remediation waste. Upon completion of soils removal, random soil sampling approximately every 100 linear feet shall be collected from six to nine inch depth. Additional soils removal will only be necessary if sample results indicate PCBs concentrations exceeding one ppm.

6.0 MATERIAL STORAGE, HANDLING AND DIPOSAL

6.1 *Waste Materials Handling*

All PCBs bulk product waste shall be removed intact, to the extent possible. PCB bulk product waste shall include all removed caulks, metal louvers, and any other component slated for removal abutting and contaminated by caulk. The contractor shall remove materials in such a way as to minimize breakage and to avoid them from becoming friable. Once removed, these materials shall be placed into 6-mil polyethylene disposal bags (for PCB waste only) or wrapped in two layers of 6-mil polyethylene and transported to a lined container on site by the end of the work shift. For temporary storage, PCB waste may also be placed into lined fiber drums for transport to lined container by the end of the work shift. Any temporary bags or drums shall be placed on poly sheeting to prevent spillage onto floors or ground. All containers holding PCB waste shall be clearly marked as such per 40 CFR 761.40.

The poly sheeting shall also be packaged as PCB remediation waste at the end of the work shift. Personal protective equipment used by workers shall be discarded as PCB remediation waste at the end of the work shift as well. Soil shall be packaged for disposal as PCB remediation waste.

6.2 *Disposal*

Contractor shall dispose of all waste in accordance with all applicable federal and state regulations. Waste shall be transported to a facility licensed to receive and retain PCB bulk product waste and PCB remediation waste per 40 CFR 761.61 and 761.62.

Contractor shall also provide documentation proving that the selected landfill is able to receive PCB waste according to these regulations. Contractor shall supply the Southeastern Regional School District with all waste manifests at the completion of the project. Copies of all manifests shall also be provided to the EPA as part of the final report.

All PCB waste shall be stored according to EPA TSCA regulations and shall be kept separate from all other waste produced by the contractor and any other waste produced by other contractors on site. Compliance with 40 CFR 761.40 and 761.65 for storage and marking of containers must be adhered to by the contractor.

7.0 POST-REMEDATION CLEARANCE PROCEDURES

Prior to the completion of the project, post-remediation sampling will be conducted in order to verify compliance with performance criteria.

7.1 Visual Inspection

Decontaminated areas will be inspected for any visible dust and debris and to appropriately determine that all PCBs material has been successfully removed. If any PCBs material or visible dust and debris remains on any surface, the contractor will be required to re-clean until satisfactory results are obtained.

7.2 Substrate Encapsulation

Test results of substrates have indicated that PCBs may have leached into substrates abutting PCBs caulking, including window mullions and at vents. Thus, complete removal of PCBs from concrete and brick is not possible without actually damaging the substrates. The window mullions are integral to the structure of the building. Thus, their removal is not possible. Because of structural issues the extraordinary costs to perform the removal and replacement of the construction materials abutting caulk, encapsulation of these materials is the proposed temporary remediation solution. Further, air testing in the building has indicated no detectable background concentrations of PCBs in air, even with the caulking present.

At the completion of PCBs removal and cleaning, Contractor shall apply an encapsulant sufficient to provide a barrier over the entire precast concrete windows, within two inches of caulk seams abutting brick and within four inches of caulk seams on concrete at vent openings such that PCBs concentrations on the surface are equal or less than the clearance standard in 7.3 below. The encapsulation shall include all surfaces within each caulk joint. Once the encapsulant has cured, apply additional coatings, as necessary, to the surface to assure the clearance standard is achieved. A minimum of two coats of encapsulant, Sikagard 62, by Sika Corporation, or equal, shall be applied.

7.3 Wipe Sampling

The Owner's independent Environmental Consultant will perform representative wipe sampling of each type of masonry substrate from which caulk is removed and where encapsulation is conducted, including brick and concrete window mullions. One sample shall be collected for every 200 linear feet of caulking seam and a minimum of three samples per substrate in a randomly selected manner.

Wipe samples will be submitted to a laboratory for analysis using EPA method 3540C/8082 and must achieve results of $1 \mu\text{g}/100 \text{ cm}^2$ or less for nonporous surfaces that are cleaned of PCBs contamination and where porous surfaces are encapsulated.

8.0 PROJECT CLOSE-OUT

At the completion of the project the contractor shall be responsible to remove, from the site, all equipment and materials used in the project and all waste generated during the project. The contractor will also be responsible to repair any damage to the building or other site components caused by the remediation work.

The project will be considered completed when the criteria listed above are met, successful testing results have been obtained, and the Southeastern Regional School District has received the waste manifests from the contractor for all waste generated during the project.

A deed restriction will be placed on the project by the Southeastern Regional School District relative to any remaining residual PCBs. A long term monitoring and maintenance plan is being prepared to assure that PCBs substrates that are encapsulated are appropriately monitored and managed by the School District.

9.0 HEALTH & SAFETY

A written Health and Safety plan must be submitted by the contractor. This plan shall be prepared by the contractor to describe engineering controls, work practices, and personal protective equipment to be used. Contractor shall provide proof of licensed hauler and proper documentation of facility that will accept the generated PCBs waste. The contractor shall also provide, and have on site at all times, copies of training and medical records of all workers who will be involved in the project.

APPENDIX A

Certificates of PCB Sample Analysis - Caulk

EMSL Analytical, Inc.

<http://www.emsl.com>

3 Cooper St.
Westmont, NJ 08108
Phone: (856) 858-4800
Fax: (856) 858-4571

EMSL

SM

Attn: **Ted Sherry**
Smith & Wessel Associates, Inc
8 Church Street
Suite 3
Merrimac, MA 01860

9/10/2010

Phone: (978) 346-4800
Fax: (978) 346-7265

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 9/2/2010. The results are tabulated on the attached data pages for the following client designated project:

10224

The reference number for these samples is EMSL Order #011004512. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 858-4800.

Reviewed and Approved By:



Julie Smith - Laboratory Director or other approved
signatory



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NJ-NELAP Accredited: 04653

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL

SM

Attn: **Ted Sherry**
Smith & Wessel Associates, Inc
8 Church Street
Suite 3
Merrimac, MA 01860

Customer ID: SMIT50
 Customer PO:
 Received: 09/02/10 12:00 PM
 EMSL Order: 011004512

Fax: (978) 346-7265

Phone (978) 346-4800

Project: 10224

Analytical Results

Client Sample Description		090110-01	Collected:	9/1/2010	Lab ID:	0001
		Bldg 2 - Rm 2-251				
Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<0.68	0.68	mg/Kg	9/8/2010	ehernandez
3540C/8082	Aroclor-1221	<0.68	0.68	mg/Kg	9/8/2010	ehernandez
3540C/8082	Aroclor-1232	<0.68	0.68	mg/Kg	9/8/2010	ehernandez
3540C/8082	Aroclor-1242	<0.68	0.68	mg/Kg	9/8/2010	ehernandez
3540C/8082	Aroclor-1248	<0.68	0.68	mg/Kg	9/8/2010	ehernandez
3540C/8082	Aroclor-1254	3.7	0.68	mg/Kg	9/8/2010	ehernandez
3540C/8082	Aroclor-1260	<0.68	0.68	mg/Kg	9/8/2010	ehernandez
3540C/8082	Aroclor-1262	<0.68	0.68	mg/Kg	9/8/2010	ehernandez
3540C/8082	Aroclor-1268	<0.68	0.68	mg/Kg	9/8/2010	ehernandez
Client Sample Description		090110-02	Collected:	9/1/2010	Lab ID:	0002
		Bldg 9 - Rm 9-104 (INT)				
Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<0.84	0.84	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1221	<0.84	0.84	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1232	<0.84	0.84	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1242	<0.84	0.84	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1248	<0.84	0.84	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1254	1.0	0.84	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1260	<0.84	0.84	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1262	<0.84	0.84	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1268	<0.84	0.84	mg/Kg	9/9/2010	ehernandez
Client Sample Description		090110-03	Collected:	9/1/2010	Lab ID:	0003
		Bldg 2 - Ext Courtyard				
Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<5600	5600	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1221	<5600	5600	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1232	<5600	5600	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1242	<5600	5600	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1248	<5600	5600	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1254	32000	5600	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1260	<5600	5600	mg/Kg	9/9/2010	ehernandez

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL

SM

Attn: **Ted Sherry**
Smith & Wessel Associates, Inc
8 Church Street
Suite 3
Merrimac, MA 01860

Customer ID: SMIT50
Customer PO:
Received: 09/02/10 12:00 PM
EMSL Order: 011004512

Fax: (978) 346-7265

Phone (978) 346-4800

Project: 10224

Analytical Results

Client Sample Description		090110-03 Bldg 2 - Ext Courtyard	Collected:	9/1/2010	Lab ID:	0003
Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1262	<5600	5600	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1268	<5600	5600	mg/Kg	9/9/2010	ehernandez
Client Sample Description		090110-04 Bldg 2 - Ext Courtyard	Collected:	9/1/2010	Lab ID:	0004
Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<3900	3900	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1221	<3900	3900	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1232	<3900	3900	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1242	<3900	3900	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1248	<3900	3900	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1254	19000	3900	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1260	<3900	3900	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1262	<3900	3900	mg/Kg	9/9/2010	ehernandez
3540C/8082	Aroclor-1268	<3900	3900	mg/Kg	9/9/2010	ehernandez
Client Sample Description		090110-05 Btwn 2 & 8	Collected:	9/1/2010	Lab ID:	0005
Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<5.0	5.0	mg/Kg	9/10/2010	ehernandez
3540C/8082	Aroclor-1221	<5.0	5.0	mg/Kg	9/10/2010	ehernandez
3540C/8082	Aroclor-1232	<5.0	5.0	mg/Kg	9/10/2010	ehernandez
3540C/8082	Aroclor-1242	<5.0	5.0	mg/Kg	9/10/2010	ehernandez
3540C/8082	Aroclor-1248	<5.0	5.0	mg/Kg	9/10/2010	ehernandez
3540C/8082	Aroclor-1254	<5.0	5.0	mg/Kg	9/10/2010	ehernandez
3540C/8082	Aroclor-1260	<5.0	5.0	mg/Kg	9/10/2010	ehernandez
3540C/8082	Aroclor-1262	<5.0	5.0	mg/Kg	9/10/2010	ehernandez
3540C/8082	Aroclor-1268	<5.0	5.0	mg/Kg	9/10/2010	ehernandez

Chain-of-custody

Date 9-1-10 Time 2 PM

Date 9-2-10 Time 12:00 pm

Total # of samples 5

NOTE: EPA SW-846 METHOD 3540C 8082 SOX HLET



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W1004-26

Prepared for:

Attn: Bill Wessel
Smith & Wessel Associates
188 Greenville Street
Spencer, MA 01562

Report Date: October 12, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 11224

Project Location: Southeastern Tech – 250 Foundry St. South Easton MA RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W1004-26

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air ☒ Other: Caulk

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A <input checked="" type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for “Presumptive Certainty” status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes	No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes	No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes	No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, “Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data”?	<input checked="" type="checkbox"/> Yes	No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes Yes	No No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all “No” responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes	No

Responses to Questions G, H and I below are required for “Presumptive Certainty” status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes	No ¹
----------	---	---	-----------------

Data User Note: Data that achieve “Presumptive Certainty” status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes	No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes	No ¹

¹All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: 

Position: Laboratory Director

Printed Name: Richard Warila

Date: 10/12/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on October 4, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W1004-26.

Custody records are included in this report.

Site: Southeastern Tech, 250 Foundry St., South Easton, MA

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
WC-01-A	9/30/11	Caulking	Table II
WC-01-B	9/30/11	Caulking	Table II
WC-02-A	9/30/11	Caulking	Table II
WC-02-B	9/30/11	Caulking	Table II
MC-01-A	9/30/11	Caulking	Table II
MC-01-B	9/30/11	Caulking	Table II
MC-02-A	9/30/11	Caulking	Table II
MC-02-B	9/30/11	Caulking	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3540C	8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.



New England Testing Laboratory, Inc.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: WC-01-A		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: 9/30/11		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	51	39-120
DCBP	88	34-140

*Wet Weight Basis

Sample: WC-01-B		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: 9/30/11		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	39-120
DCBP	54	34-140

*Wet Weight Basis

Sample: WC-02-A		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: 9/30/11		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	39-120
DCBP	47	34-140

*Wet Weight Basis

Sample: WC-02-B		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: 9/30/11		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	66	39-120
DCBP	49	34-140

*Wet Weight Basis

Sample: MC-01-A		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: 9/30/11		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	42	39-120
DCBP	50	34-140

*Wet Weight Basis

Sample: MC-01-B		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: 9/30/11		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	41	39-120
DCBP	42	34-140

*Wet Weight Basis

Sample: MC-02-A		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: 9/30/11		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/11/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	623	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	51	39-120
DCBP	55	34-140

*Wet Weight Basis

Sample: MC-02-B		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: 9/30/11		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	334	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	43	39-120
DCBP	69	34-140

*Wet Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: NA		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	81	39-120
DCBP	78	34-140

Sample: Method Blank		Analyst's Initials: NS
Case No.: W1004-26		
Date Collected: NA		
Sample Matrix: Caulking		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	92	39-120
DCBP	85	34-140

PCB Laboratory Control Spike

Sample Matrix: Solid				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	10/5/11			10/6/11
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.481	96	42-126
Aroclor 1260	0.500	0.419	84	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	101	39-120		
DCBP	91	34-140		

PCB Laboratory Control Spike

Sample Matrix: Solid				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	10/6/11			10/7/11
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.508	102	42-126
Aroclor 1260	0.500	0.537	107	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	86	39-120		
DCBP	71	34-140		

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904
1-888-863-8522

W1004-26

CHAIN OF CUSTODY RECORD

PROJ. NO. 11224		PROJECT NAME/LOCATION Southeastern Tech - 250 Foundry St, South Easton, MA				PRESERVATIVE	TESTS PCBS										REMARKS	
CLIENT Smith + Wessel Associates 188 Greenville St, Spencer, MA 01562																		
REPORT TO: Bill Wessel - bwessel@smithwessel.com																		
INVOICE TO: Same																		
DATE	TIME	COMP	GRAB	SAMPLE I.D.	AQUEOUS	SOIL	OTHER	NO. OF CONTAINERS										
9/30/11				WC-01-A			✓	1	✓						At 5-109, exterior window caulk			
				WC-01-B			✓	1	✓						At 5-116, exterior window caulk			
				WC-02-A			✓	1	✓						At 8-110, exterior window caulk			
				WC-02-B			✓	1	✓						At 8-106, exterior window caulk			
				MC-01-A			✓	1	✓						At 5-110-A, exterior mullion caulk			
				MC-01-B			✓	1	✓						At 5-116, exterior mullion caulk			
				MC-02-A			✓	1	✓						At 8-110, exterior mullion caulk			
				MC-02-B			✓	1	✓						At 8-106, exterior mullion caulk			
Sampled by: (Signature) [Signature]		Date/Time 9/30/11 3:50 PM		Received by: (Signature) [Signature]		Date/Time 10/4/11 2:33		Laboratory Remarks: Temp. received: <input type="checkbox"/> Cooled <input type="checkbox"/>				Special Instructions: List Specific Detection Limit Requirements: caulk samples Turnaround (Business Days) 10 DAYS						
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time												
Relinquished by: (Signature)		Date/Time		Received for Laboratory by: (Signature) [Signature]		Date/Time 10/4/11 14:32												

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

APPENDIX B

Certificates of PCB Sample Analysis – Air Samples



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W1229-12

Prepared for:

Attn: Bill Wessel
Smith & Wessel Associates
188 Greenville Street
Spencer, MA 01562

Report Date: January 9, 2012

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 11314

Project Location: Southeastern Tech-250 Foundry Street, South Easton MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W1229-12

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air x Other: Puff

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	X Other

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	x Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	x Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	x Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	x Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	x Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	x Yes No ¹
----------	---	--------------------------

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	x Yes No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	x Yes No ¹

¹All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: 

Position: Laboratory Director

Printed Name: Richard Warila

Date: 1/9/2012

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 29, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W1229-12.

Custody records are included in this report.

Site: Southeastern Tech, 250 Foundry Street, South Easton, MA

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
12-29-11-01-Room 4-430	12/29/11	Air	Table II
12-29-11-02-Room 5-110-A	12/29/11	Air	Table II
12-29-11-03-Room 6-665-A	12/29/11	Air	Table II
12-29-11-04 Main Lobby	12/29/11	Air	Table II
12-29-11-05 Halle 2-262	12/29/11	Air	Table II
12-29-11-06 Exterior-Courtyard	12/29/11	Air	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs Homologs	NA	TO-10A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.



New England Testing Laboratory, Inc.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: 12-29-11-01-Room 4-430		Analyst's Initials: JD
Case No.: W1229-12		
Date Collected: 12/29/2011		
Sample Matrix: Air-PUF		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: 3540C	1/4/12	1/5/12
Analytical Method: TO-10A		
Compound	Concentration ng/m ³ *	Reporting Limit
Monochlorobiphenyl	N.D.	10.0
Dichlorobiphenyl	N.D.	10.0
Trichlorobiphenyl	N.D.	10.0
Tetrachlorobiphenyl	N.D.	10.0
Pentachlorobiphenyl	N.D.	10.0
Hexachlorobiphenyl	N.D.	10.0
Heptachlorobiphenyl	N.D.	10.0
Octachlorobiphenyl	N.D.	10.0
Nonachlorobiphenyl	N.D.	10.0
Decachlorobiphenyl	N.D.	10.0

*Dry Weight Basis

Sample: 12-29-11-02-Room 5-110-A		Analyst's Initials: JD
Case No.: W1229-12		
Date Collected: 12/29/2011		
Sample Matrix: Air-PUF		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: 3540C	1/4/12	1/5/12
Analytical Method: TO-10A		
Compound	Concentration ng/m ³ *	Reporting Limit
Monochlorobiphenyl	N.D.	10.0
Dichlorobiphenyl	N.D.	10.0
Trichlorobiphenyl	N.D.	10.0
Tetrachlorobiphenyl	N.D.	10.0
Pentachlorobiphenyl	N.D.	10.0
Hexachlorobiphenyl	N.D.	10.0
Heptachlorobiphenyl	N.D.	10.0
Octachlorobiphenyl	N.D.	10.0
Nonachlorobiphenyl	N.D.	10.0
Decachlorobiphenyl	N.D.	10.0

*Dry Weight Basis

Sample: 12-29-11-03-Room 6-665-A		Analyst's Initials: JD
Case No.: W1229-12		
Date Collected: 12/29/2011		
Sample Matrix: Air-PUF		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: 3540C	1/4/12	1/5/12
Analytical Method: TO-10A		
Compound	Concentration ng/m ³ *	Reporting Limit
Monochlorobiphenyl	N.D.	10.0
Dichlorobiphenyl	N.D.	10.0
Trichlorobiphenyl	N.D.	10.0
Tetrachlorobiphenyl	N.D.	10.0
Pentachlorobiphenyl	N.D.	10.0
Hexachlorobiphenyl	N.D.	10.0
Heptachlorobiphenyl	N.D.	10.0
Octachlorobiphenyl	N.D.	10.0
Nonachlorobiphenyl	N.D.	10.0
Decachlorobiphenyl	N.D.	10.0

*Dry Weight Basis

Sample: 12-29-11-04-Main Lobby		Analyst's Initials: JD
Case No.: W1229-12		
Date Collected: 12/29/2011		
Sample Matrix: Air-PUF		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: 3540C	1/4/12	1/5/12
Analytical Method: TO-10A		
Compound	Concentration ng/m ³ *	Reporting Limit
Monochlorobiphenyl	N.D.	10.0
Dichlorobiphenyl	N.D.	10.0
Trichlorobiphenyl	N.D.	10.0
Tetrachlorobiphenyl	N.D.	10.0
Pentachlorobiphenyl	N.D.	10.0
Hexachlorobiphenyl	N.D.	10.0
Heptachlorobiphenyl	N.D.	10.0
Octachlorobiphenyl	N.D.	10.0
Nonachlorobiphenyl	N.D.	10.0
Decachlorobiphenyl	N.D.	10.0

*Dry Weight Basis

Sample: 12-29-11-05-Halle 2-262		Analyst's Initials: JD
Case No.: W1229-12		
Date Collected: 12/29/2011		
Sample Matrix: Air-PUF		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: 3540C	1/4/12	1/5/12
Analytical Method: TO-10A		
Compound	Concentration ng/m ³ *	Reporting Limit
Monochlorobiphenyl	N.D.	10.0
Dichlorobiphenyl	N.D.	10.0
Trichlorobiphenyl	N.D.	10.0
Tetrachlorobiphenyl	N.D.	10.0
Pentachlorobiphenyl	N.D.	10.0
Hexachlorobiphenyl	N.D.	10.0
Heptachlorobiphenyl	N.D.	10.0
Octachlorobiphenyl	N.D.	10.0
Nonachlorobiphenyl	N.D.	10.0
Decachlorobiphenyl	N.D.	10.0

*Dry Weight Basis

Sample: 12-29-11-06-Exterior-Courtyard		Analyst's Initials: JD
Case No.: W1229-12		
Date Collected: 12/29/2011		
Sample Matrix: Air-PUF		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: 3540C	1/4/12	1/5/12
Analytical Method: TO-10A		
Compound	Concentration ng/m ³ *	Reporting Limit
Monochlorobiphenyl	N.D.	10.0
Dichlorobiphenyl	N.D.	10.0
Trichlorobiphenyl	N.D.	10.0
Tetrachlorobiphenyl	N.D.	10.0
Pentachlorobiphenyl	N.D.	10.0
Hexachlorobiphenyl	N.D.	10.0
Heptachlorobiphenyl	N.D.	10.0
Octachlorobiphenyl	N.D.	10.0
Nonachlorobiphenyl	N.D.	10.0
Decachlorobiphenyl	N.D.	10.0

*Dry Weight Basis

Sample: Blank 01-04-2012		Analyst's Initials: JD
Case No.: W1229-12		
Date Collected: 12/29/2011		
Sample Matrix: Air-PUF		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: 3540C	1/4/12	1/5/12
Analytical Method: TO-10A		
Compound	Concentration ng/m ³ *	Reporting Limit
Monochlorobiphenyl	N.D.	10.0
Dichlorobiphenyl	N.D.	10.0
Trichlorobiphenyl	N.D.	10.0
Tetrachlorobiphenyl	N.D.	10.0
Pentachlorobiphenyl	N.D.	10.0
Hexachlorobiphenyl	N.D.	10.0
Heptachlorobiphenyl	N.D.	10.0
Octachlorobiphenyl	N.D.	10.0
Nonachlorobiphenyl	N.D.	10.0
Decachlorobiphenyl	N.D.	10.0

*Dry Weight Basis

W1229-12

-FPA TO -104

10 Days

Page 13 of 13

APPENDIX C

Certificates of PCB Sample Analysis – Masonry Substrates



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W1004-67

Prepared for:

Attn: Bill Wessel
Smith & Wessel Associates
188 Greenville Street
Spencer, MA 01562

Report Date: October 12, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 11224

Project Location: Southeastern Tech – 250 Foundry St. South Easton MA RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W1004-67

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air x Other: Solids

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A x	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for “Presumptive Certainty” status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	x Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	x Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	x Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, “Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data”?	x Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all “No” responses to Questions A through E)?	x Yes No

Responses to Questions G, H and I below are required for “Presumptive Certainty” status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	x Yes No ¹
----------	---	-----------------------

Data User Note: Data that achieve “Presumptive Certainty” status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	x Yes No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	x Yes No ¹

¹All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Richard Warila

Position: Laboratory Director

Printed Name: Richard Warila

Date: 10/12/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on October 4, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W1004-67.

Custody records are included in this report.

Site: Southeastern Tech, 250 Foundry St., South Easton, MA

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B093011-01-A	9/30/11	Solid	Table II
B093011-02-A	9/30/11	Solid	Table II
M093011-01-A	9/30/11	Solid	Table II
M093011-01-B	9/30/11	Solid	Table II
M093011-02-A	9/30/11	Solid	Table II
M093011-02-B	9/30/11	Solid	Table II
V093011-01-A	9/30/11	Solid	Table II
V093011-01-B	9/30/11	Solid	Table II
V093011-02-A	9/30/11	Solid	Table II
V093011-02-B	9/30/11	Solid	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3540C	8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B093011-01-A		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	88	39-120
DCBP	81	34-140

*Wet Weight Basis

Sample: B093011-02-A		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	75	39-120
DCBP	82	34-140

*Wet Weight Basis

Sample: M093011-01-A		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	4080	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	98	39-120
DCBP	53	34-140

*Wet Weight Basis

Sample: M093011-01-B		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	81	39-120
DCBP	81	34-140

*Wet Weight Basis

Sample: M093011-02-A		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	2830	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	95	39-120
DCBP	78	34-140

*Wet Weight Basis

Sample: M093011-02-B		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	319	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	87	39-120
DCBP	71	34-140

*Wet Weight Basis

Sample: V093011-01-A		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	1100	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	39-120
DCBP	67	34-140

*Wet Weight Basis

Sample: V093011-01-B		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	63	39-120
DCBP	66	34-140

*Wet Weight Basis

Sample: V093011-02-A		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	12,000	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	59	39-120
DCBP	70	34-140

*Wet Weight Basis

Sample: V093011-02-B		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: 9/30/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	71	39-120
DCBP	69	34-140

*Wet Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: NA		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/5/11	10/6/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	81	39-120
DCBP	78	34-140

Sample: Method Blank		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: NA		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	92	39-120
DCBP	85	34-140

Sample: Method Blank		Analyst's Initials: NS
Case No.: W1004-67		
Date Collected: NA		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/11/11	10/12/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	90	39-120
DCBP	78	34-140

PCB Laboratory Control Spike

Sample Matrix: Solid				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	10/5/11			10/6/11
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.481	96	42-126
Aroclor 1260	0.500	0.419	84	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	101	39-120		
DCBP	91	34-140		

PCB Laboratory Control Spike

Sample Matrix: Solid				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	10/6/11			10/7/11
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.508	102	42-126
Aroclor 1260	0.500	0.537	107	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	86	39-120		
DCBP	71	34-140		

PCB Laboratory Control Spike

Sample Matrix: Solid				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	10/11/11			10/12/11
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.413	83	42-126
Aroclor 1260	0.500	0.290	58	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	66	39-120		
DCBP	75	34-140		

Page 1 of 2
W1004-67

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904
1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME/LOCATION	PRESERVATIVE				TESTS**	REMARKS
		AQUEOUS		OTHER			
		NO. OF CONTAINERS	NO. OF CONTAINERS				
11224	South Eastern Tech - 250 Foundry St., South Easton, MA						
CLIENT	Smith + Wessel Associates 188 Greenville St., Spencer, MA 01562						
REPORT TO:	Bill Wessel - bwessel@smithwessel.com						
INVOICE TO:	same						
DATE	TIME	COM	GRA	SAMPLE I.D.			
9/30/11				B093011-01-A	✓	✓	Q7-701, on brick, 1/2" from window
				B093011-01-B	✓	✓	Q7-701, mid-point of brick
				B093011-01-C	✓	✓	Q7-701, on adjacent brick
				B093011-02-A	✓	✓	Q2-252, on brick, 1/2" from window
				B093011-02-B	✓	✓	Q2-252, mid-point of brick
				B093011-02-C	✓	✓	Q2-252, on adjacent brick
9/30/11				M093011-01-A	✓	✓	Q7-701, on mullion, 1/2" from window
				M093011-01-B	✓	✓	Q7-701, 4" from window
				M093011-01-C	✓	✓	Q7-701, on front of mullion
				M093011-02-A	✓	✓	Q2-252, on mullion, 1/2" from window
				M093011-02-B	✓	✓	Q2-252, 4" from window
				M093011-02-C	✓	✓	Q2-252, on front of mullion
Sampled by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Laboratory Remarks:	Special Instructions: Analyze "A" List Specific Detection Limit Requirements: if < 1 ppm stop; if > 1 ppm analyze "B" samples; if "B" is > 1 ppm analyze "C" samples Turnaround (Business Days) 10 DAYS		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temp. received: Cooled <input type="checkbox"/>			
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time				

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

Masonry Sample

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North Providence, RI 02904
1-888-863-8522

[illegible]

*****Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMPs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

major samples



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W1222-14

Prepared for:

Attn: Bill Wessel
Smith & Wessel Associates
188 Greenville Street
Spencer, MA 01562

Report Date: December 30, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 11314

Project Location: Southeastern Tech, 250 Foundry Street, South
Easton, MA

RTN:

**This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W1222-14**

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air ☒ Other: Solid

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A <input checked="" type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes No ¹

¹All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: 

Position: Laboratory Director

Printed Name: Richard Warila

Date: 12/30/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 22, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W1222-14.

Custody records are included in this report.

Site: Southeastern Tech, 250 Foundry Street, South Easton, MA

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
M122111-01A	12/21/11	Solid	Table II
M122111-02A	12/21/11	Solid	Table II
M122111-02B	12/21/11	Solid	Table II
V122111-01A	12/21/11	Solid	Table II
V122111-02A	12/21/11	Solid	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3540C	8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.



New England Testing Laboratory, Inc.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: M122111-01A		Analyst's Initials: NS
Case No.: W1222-14		
Date Collected: 12/21/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	730	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	64	39-120
DCBP	58	34-140

*Wet Weight Basis

Sample: M122111-02A		Analyst's Initials: NS
Case No.: W1222-14		
Date Collected: 12/21/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	1030	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	86	39-120
DCBP	68	34-140

*Wet Weight Basis

Sample: M122111-02B		Analyst's Initials: NS
Case No.: W1222-14		
Date Collected: 12/21/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	800	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	81	39-120
DCBP	86	34-140

*Wet Weight Basis

Sample: V122111-01A		Analyst's Initials: NS
Case No.: W1222-14		
Date Collected: 12/21/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	49	39-120
DCBP	48	34-140

*Wet Weight Basis

Sample: V122111-02A		Analyst's Initials: NS
Case No.: W1222-14		
Date Collected: 12/21/11		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	57	39-120
DCBP	58	34-140

*Wet Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: W1222-14		
Date Collected: NA		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	54	39-120
DCBP	45	34-140

PCB Laboratory Control Spike

Sample Matrix: SOLID				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	12/28/11			12/29/11
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.379	76	42-126
Aroclor 1260	0.500	0.309	66	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	77	39-120		
DCBP	52	34-140		

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1254 Douglas Avenue
North Providence, RI 02904
1-888-863-8522

CHAIN OF CUSTODY RECORD

[illegible]

***Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMR, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y1129-24

Prepared for:

Attn: Bill Wessel
Smith & Wessel Associates
188 Greenville Street
Spencer, MA 01562

Report Date: December 6, 2012

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 12417

Project Location: 250 Foundry Street – South Easton, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
Y1129-24

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air x Other: Solid

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A x	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	x	Yes	No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	x	Yes	No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	x	Yes	No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	x	Yes	No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?		Yes	No
			Yes	No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	x	Yes	No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	x	Yes	No ¹
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Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	x	Yes	No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	x	Yes	No ¹

¹All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Richard Warila

Position: Laboratory Director

Printed Name: Richard Warila

Date: 12/6/2012

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on November 29, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y1129-24.

Custody records are included in this report.

Project: Southeastern High School

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
M-11-28-01	11/28/12	Solid	Table II
M-11-28-02	11/28/12	Solid	Table II
M-11-28-03	11/28/12	Solid	Table II
M-11-28-04	11/28/12	Solid	Table II
M-11-28-05	11/28/12	Solid	Table II
M-11-28-06	11/28/12	Solid	Table II
M-11-28-07	11/28/12	Solid	Table II
B-11-28-01	11/28/12	Solid	Table II
B-11-28-02	11/28/12	Solid	Table II
B-11-28-03	11/28/12	Solid	Table II
B-11-28-04	11/28/12	Solid	Table II
B-11-28-05	11/28/12	Solid	Table II
B-11-28-06	11/28/12	Solid	Table II
B-11-28-07	11/28/12	Solid	Table II
V-11-28-01	11/28/12	Solid	Table II
V-11-28-02	11/28/12	Solid	Table II

TABLE II, Analysis and Methods

ANALYSIS

PCB

PREPARATION METHOD

3540C

DETERMINATIVE METHOD

8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW



New England Testing Laboratory, Inc.

CASE NARRATIVE

Sample Receipt:

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: M-11-28-01		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	1,500	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	62	43-97
DCBP	76	30-125

N.D. = Not Detected

Sample: M-11-28-02		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	N.D.	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	59	43-97
DCBP	76	30-125

N.D. = Not Detected

Sample: M-11-28-03		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	2,640	500
Aroclor-1260	1,320	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	53	43-97
DCBP	69	30-125

N.D. = Not Detected

Sample: M-11-28-04		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	1,640	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	61	43-97
DCBP	79	30-125

N.D. = Not Detected

Sample: M-11-28-05		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	1,150	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	64	43-97
DCBP	80	30-12

N.D. = Not Detected

Sample: M-11-28-06		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	578	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	63	43-97
DCBP	79	30-125

N.D. = Not Detected

Sample: M-11-28-07		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	2,000	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	63	43-97
DCBP	79	30-125

N.D. = Not Detected

Sample: B-11-28-01		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	11/30/12	12/3/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	N.D.	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	43-97
DCBP	94	30-125

N.D. = Not Detected

Sample: B-11-28-02		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	11/30/12	12/3/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	N.D.	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	43-97
DCBP	73	30-125

N.D. = Not Detected

Sample: B-11-28-03		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	67,500	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	64	43-97
DCBP	93	30-125

N.D. = Not Detected

Sample: B-11-28-04		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	1,590	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	66	43-97
DCBP	77	30-125

N.D. = Not Detected

Sample: B-11-28-05		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	11/30/12	12/3/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	N.D.	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	43-97
DCBP	78	30-125

N.D. = Not Detected

Sample: B-11-28-06		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	N.D.	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	63	43-97
DCBP	77	30-125

N.D. = Not Detected

Sample: B-11-28-07		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	N.D.	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	66	43-97
DCBP	79	30-125

N.D. = Not Detected

Sample: V-11-28-01		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	N.D.	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	74	43-97
DCBP	91	30-125

N.D. = Not Detected

Sample: V-11-28-02		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: 11/28/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	2,210	500
Aroclor-1260	1,150	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	72	43-97
DCBP	87	30-125

N.D. = Not Detected

Sample: Method Blank		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: NA		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	11/30/12	12/3/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	N.D.	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	66	43-97
DCBP	78	30-125

N.D. = Not Detected

Sample: Method Blank		Analyst's Initials: NS
Case No.: Y1129-24		
Date Collected: NA		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/5/12	12/6/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	500
Aroclor-1221	N.D.	500
Aroclor-1232	N.D.	500
Aroclor-1242	N.D.	500
Aroclor-1248	N.D.	500
Aroclor-1254	N.D.	500
Aroclor-1260	N.D.	500
Aroclor-1262	N.D.	500
Aroclor-1268	N.D.	500
Surrogates:		
Compound	% Recovery	Limits
TCMX	74	43-97
DCBP	90	30-125

N.D. = Not Detected

PCB Laboratory Control Spike

Sample Matrix: SOLID				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	11/30/12			12/3/12
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.496	99	42-126
Aroclor 1260	0.500	0.510	102	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	73	43-97		
DCBP	85	30-125		

PCB Laboratory Control Spike

Sample Matrix: SOLID				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	12/5/12			12/6/12
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.569	113	42-126
Aroclor 1260	0.500	0.489	98	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	70	43-97		
DCBP	85	30-125		

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Ave.
North Providence, RI 02904
1-888-863-8522

also report to ehanson@smithwessel.com

CHAIN OF CUSTODY RECORD

Y1129-24

PROJ. NO.		PROJECT NAME/LOCATION		CLIENT		REPORT TO:		INVOICE TO:		DATE	TIME	COMP	GRAB	SAMPLE I.D.	ACCOMMODATIONS	SOIL	OIL	NO. OF CONTAINERS	REMARKS	TESTS	PCBS	REMARKS	
12417		Southeastern High School 250 Foundry St, South Easton, MA		Smith+Wessel Assoc.		bwessel@smithwessel.com		same															
11/28/12				✓	M-11-28-01																	Room 2-124, 2" from caulk	
				✓	M-11-28-02																	Room 4-127 (formerly 5-109), 2" from caulk	
				✓	M-11-28-03																	Room 6-125, 2" from caulk	
				✓	M-11-28-04																	Room 6-229, 2" from caulk	
				✓	M-11-28-05																	Room 7-213, 2" from caulk	
				✓	M-11-28-06																	Room 1-219, at decorative facade, 2" from caulk	
				✓	M-11-28-07																	Room 5-111 (formerly 4-401), 2" from caulk	
				✓	B-11-28-01																	Room 2-215, 1/2" from caulk	
				✓	B-11-28-02																	Room 4-127 (formerly 5-109), 1/2" from caulk	
				✓	B-11-28-03																	Room 6-125, 1/2" from caulk	
				✓	B-11-28-04																	Room 6-229, 1/2" from caulk	
				✓	B-11-28-05																	Room 7-213, 1/2" from caulk	
				✓	B-11-28-06																	Room 1-219, 1/2" from caulk	
				✓	B-11-28-07																	Room 5-111 (formerly 4-401), 1/2" from caulk	
Sampled by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Laboratory Remarks:		Special Instructions:													
Eric Hans.		11/28/12						Temp. received: 4°C		List Specific Detection													
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Cooled <input type="checkbox"/>		Limit Requirements:													
R. T. Dewooy		11/29/12 7:35		R. T. Dewooy		11/29/12 3:55				PCBS EPA method													
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time				SW-846 3540C/8082													
R. T. Dewooy		11-29-12 4:25		L. Watts		11/29/12 10:25				Turnaround (Business Days)		5											

"m" samples on mullions
"b" samples on brick
"v" samples at vents

p. 2 of 2

CHAIN OF CUSTODY RECORD

Y1129-24

Page 27 of 27



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Y1212-28

Prepared for:

Attn: Bill Wessel
Smith & Wessel Associates
188 Greenville Street
Spencer, MA 01562

Report Date: December 18, 2012

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 12417

Project Location: Southeastern HS, 250 Foundry St, Easton, MA

RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
Y1212-28

Matrices: Groundwater/Surface Water Soil/Sediment Drinking Water Air x Other: Solid

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A x	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	x Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	x Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	x Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	x Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	x Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	x Yes No ¹
----------	---	---------------------------------

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	x Yes No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	x Yes No ¹

¹All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: 

Position: Laboratory Director

Printed Name: Richard Warila

Date: 12/18/2012

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 12, 2012. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is Y1212-28.

Custody records are included in this report.

Project: Southeastern High School

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
12-11-01A	12/11/12	Solid	Table II
12-11-01B	12/11/12	Solid	Table II
12-11-01C	12/11/12	Solid	Table II
12-11-02A	12/11/12	Solid	Table II
12-11-02B	12/11/12	Solid	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCB	3540C	8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW

Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, APHA, AWWA-WPCF.

Manual of Methods for Chemical Analysis of Water and Water Wastes, EPA-600/4-79-020 (Revised 1983), USEPA/EMSL.



New England Testing Laboratory, Inc.

CASE NARRATIVE

Sample Receipt:

The samples were all appropriately cooled and preserved upon receipt. The samples were received in the appropriate containers. The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample: 12-11-01A		Analyst's Initials: BJ
Case No.: Y1212-28		
Date Collected: 12/11/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/13/12	12/17/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	7,880	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	77	43-97
DCBP	82	30-125

N.D. = Not Detected

Sample: 12-11-01B		Analyst's Initials: BJ
Case No.: Y1212-28		
Date Collected: 12/11/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/13/12	12/17/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	6,640	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	79	43-97
DCBP	90	30-125

N.D. = Not Detected

Sample: 12-11-01C		Analyst's Initials: BJ
Case No.: Y1212-28		
Date Collected: 12/11/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/13/12	12/14/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	43-97
DCBP	81	30-125

N.D. = Not Detected

Sample: 12-11-02A		Analyst's Initials: BJ
Case No.: Y1212-28		
Date Collected: 12/11/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/13/12	12/14/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	1,230	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	43-97
DCBP	89	30-125

N.D. = Not Detected

Sample: 12-11-02B		Analyst's Initials: BJ
Case No.: Y1212-28		
Date Collected: 12/11/12		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/13/12	12/14/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	81	43-97
DCBP	85	30-125

N.D. = Not Detected

Sample: Method Blank		Analyst's Initials: BJ
Case No.: Y1212-28		
Date Collected: NA		
Sample Matrix: Solid		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/13/12	12/14/12
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit ug/kg (ppb)
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	77	43-97
DCBP	84	30-125

N.D. = Not Detected

Y1212.28

SN-846/8082
35400

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904
1-888-863-8522

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME/LOCATION		PRESERVATIVE		TESTS		REMARKS
DATE	TIME	GRAB	SAMPLE I.D.	Y-H-E-R	NO. OF CONTAINERS	PCBS - EPA Method 1631		
12/11/12	12:30p	✓	12-11-01A	✓	1	✓	Room 6-125, 1/2" from caulk	
		✓	12-11-01B	✓	1	✓	Room 6-125, 1" from caulk	
		✓	12-11-01C	✓	1	✓	Room 6-125, 2" from caulk	
		✓	12-11-02A	✓	1	✓	Room 6-229, 1/2" from caulk	
		✓	12-11-02B	✓	1	✓	Room 6-229, 1" from caulk	
		✓	12-11-02C	✓	1	✓	Room 6-229, 2" from caulk	
<p>All samples taken on brick next to window caulking</p>								
<p>Sampled by: (Signature) <i>Eric Hanson</i></p>		<p>Date/Time: 12/11/12 12:30p</p>		<p>Received by: (Signature) <i>Ret-Dunn</i></p>		<p>Date/Time: 12-13-12 11:30</p>		
<p>Relinquished by: (Signature) <i>Eric Hanson</i></p>		<p>Date/Time: 12/11/12 11:30</p>		<p>Received for Laboratory by: (Signature) <i>M. Jeng</i></p>		<p>Date/Time: 12/12/12 10:40</p>		
<p>Relinquished by: (Signature) <i>Ret-Dunn</i></p>		<p>Date/Time: 12-12-12 4:40</p>		<p>Special Instructions: Analyze "A" if < 1 ppm samples first; if > 1 ppm analyze "B" samples; if "B" is > 1 ppm analyze "C" samples</p>		<p>Turnaround (Business Days): 5</p>		

**Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

APPENDIX D

Certificates of PCB Sample Analysis – Soil



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W1004-39

Prepared for:

Attn: Bill Wessel
Smith & Wessel Associates
188 Greenville Street
Spencer, MA 01562

Report Date: October 12, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 11224

Project Location: Southeastern Tech, 250 Foundry St., South
Easton, MA

RTN:

**This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W1004-39**

Matrices: Groundwater/Surface Water ☒ Soil/Sediment ☐ Drinking Water ☐ Air ☐ Other: ☐

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A <input checked="" type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No ¹
----------	---	-----------------------

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	X Yes No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No ¹

¹All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Richard Warila

Position: Laboratory Director

Printed Name: Richard Warila

Date: 10/12/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on October 4, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W1004-39.

Custody records are included in this report.

Site: Southeastern Tech, 250 Foundry St., South Easton, MA

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
S093011-01	9/30/11	Soil	Table II
S093011-02	9/30/11	Soil	Table II
S093011-03	9/30/11	Soil	Table II
S093011-04	9/30/11	Soil	Table II
S093011-05	9/30/11	Soil	Table II
S093011-06	9/30/11	Soil	Table II
S093011-07	9/30/11	Soil	Table II
S093011-08	9/30/11	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3540C	8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.



New England Testing Laboratory, Inc.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: S093011-01		Analyst's Initials: NS
Case No.: W1004-39		
Date Collected: 9/30/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	1420	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	60	39-120
DCBP	103	34-140

*Dry Weight Basis

Sample: S093011-02		Analyst's Initials: NS
Case No.: W1004-39		
Date Collected: 9/30/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	1130	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	39-120
DCBP	55	34-140

*Dry Weight Basis

Sample: S093011-03		Analyst's Initials: NS
Case No.: W1004-39		
Date Collected: 9/30/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	597	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	39-120
DCBP	69	34-140

*Dry Weight Basis

Sample: S093011-04		Analyst's Initials: NS
Case No.: W1004-39		
Date Collected: 9/30/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	1230	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	69	39-120
DCBP	63	34-140

*Dry Weight Basis

Sample: S093011-05		Analyst's Initials: NS
Case No.: W1004-39		
Date Collected: 9/30/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	2040	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	61	39-120
DCBP	50	34-140

*Dry Weight Basis

Sample: S093011-06		Analyst's Initials: NS
Case No.: W1004-39		
Date Collected: 9/30/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	1752	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	71	39-120
DCBP	52	34-140

*Dry Weight Basis

Sample: S093011-07		Analyst's Initials: NS
Case No.: W1004-39		
Date Collected: 9/30/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	788	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	42	39-120
DCBP	72	34-140

*Dry Weight Basis

Sample: S093011-08		Analyst's Initials: NS
Case No.: W1004-39		
Date Collected: 9/30/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	1790	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	47	39-120
DCBP	49	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: W1004-39		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	10/6/11	10/7/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	92	39-120
DCBP	85	34-140

PCB Laboratory Control Spike

Sample Matrix: Solid				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	10/6/11			10/7/11
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.508	102	42-126
Aroclor 1260	0.500	0.537	107	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	86	39-120		
DCBP	71	34-140		

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CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME/LOCATION	PRESERVATIVE				TESTS	REMARKS
DATE	TIME	DATE	TIME	NO. OF CONTAINERS	OTHER	SOIL	SCORES
11/22/11	9:30 AM	✓	5093011-01	✓	✓	✓	At room 2-252
		✓	5093011-02	✓	✓	✓	At room 2-259
		✓	5093011-03	✓	✓	✓	At room 6-675
		✓	5093011-04	✓	✓	✓	At room 2-231
		✓	5093011-05	✓	✓	✓	At room 2-219
		✓	5093011-06	✓	✓	✓	At room 1-125
		✓	5093011-07	✓	✓	✓	At room 4-401
		✓	5093011-08	✓	✓	✓	At room 6-660

CLIENT: Smith + Wessel Associates
189 Greenville St, Spencer, MA 01562

REPORT TO: Bill Wessel - bwessel@smithwessel.com

INVOICE TO: same

Special Instructions:
List Specific Detection Limit Requirements:
Soil samples

Turnaround (Business Days) 10 DAYS

***Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMRs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates



REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W1222-13 Revised

Prepared for:

Attn: Bill Wessel
Smith & Wessel Associates
188 Greenville Street
Spencer, MA 01562

Report Date: February 10, 2012

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.

1254 Douglas Avenue, North Providence, RI 02904

(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.

Project #: 11314

Project Location: Southeastern Tech, 250 Foundry Street, South
Easton, MA

RTN:

**This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W1222-13**

Matrices: Groundwater/Surface Water ☒ Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A <input checked="" type="checkbox"/>	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
----------	---	--

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were all QC performance standards specified in the CAM protocol(s) achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹

¹All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: 

Position: Laboratory Director

Printed Name: Richard Warila

Date: 12/30/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 22, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W1222-13.

Custody records are included in this report.

Site: Southeastern Tech, 250 Foundry Street, South Easton, MA

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
S122111-01A	12/21/11	Soil	Table II
S122111-01B	12/21/11	Soil	Table II
S122111-02A	12/21/11	Soil	Table II
S122111-02B	12/21/11	Soil	Table II
S122111-03A	12/21/11	Soil	Table II
S122111-03B	12/21/11	Soil	Table II
S122111-04A	12/21/11	Soil	Table II
S122111-04B	12/21/11	Soil	Table II
S122111-05A	12/21/11	Soil	Table II
S122111-05B	12/21/11	Soil	Table II
S122111-06A	12/21/11	Soil	Table II
S122111-06B	12/21/11	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3540C	8082A

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

This report and all of the soil PCB data was revised to reflect the percent moisture determination. All of the soil samples are now reported on a dry weight basis.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: S122111-01A		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	1040	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	39-120
DCBP	75	34-140

*Dry Weight Basis

Sample: S122111-01B		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	370	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	74	39-120
DCBP	103	34-140

*Dry Weight Basis

Sample: S122111-02A		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	220	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	79	39-120
DCBP	121	34-140

*Dry Weight Basis

Sample: S122111-02B		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	77	39-120
DCBP	96	34-140

*Dry Weight Basis

Sample: S122111-03A		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	270	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	54	39-120
DCBP	68	34-140

*Dry Weight Basis

Sample: S122111-03B		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	67	39-120
DCBP	78	34-140

*Dry Weight Basis

Sample: S122111-04A		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	800	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	54	39-120
DCBP	71	34-140

*Dry Weight Basis

Sample: S122111-04B		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	84	39-120
DCBP	105	34-140

*Dry Weight Basis

Sample: S122111-05A		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	82	39-120
DCBP	95	34-140

*Dry Weight Basis

Sample: S122111-05B		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	86	39-120
DCBP	70	34-140

*Dry Weight Basis

Sample: S122111-06A		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	240	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	69	39-120
DCBP	65	34-140

*Dry Weight Basis

Sample: S122111-06B		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: 12/21/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	49	39-120
DCBP	73	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: W1222-13		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3540C	12/28/11	12/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1016	N.D.	200
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	200
Aroclor-1242	N.D.	200
Aroclor-1248	N.D.	200
Aroclor-1254	N.D.	200
Aroclor-1260	N.D.	200
Aroclor-1262	N.D.	200
Aroclor-1268	N.D.	200
Surrogates:		
Compound	% Recovery	Limits
TCMX	86	39-120
DCBP	70	34-140

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	12/28/11			12/29/11
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.426	85	42-126
Aroclor 1260	0.500	0.416	83	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	89	39-120		
DCBP	82	34-140		

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1254 Douglas Avenue
North Providence, RI 02904
1-888-863-8522

[illegible]

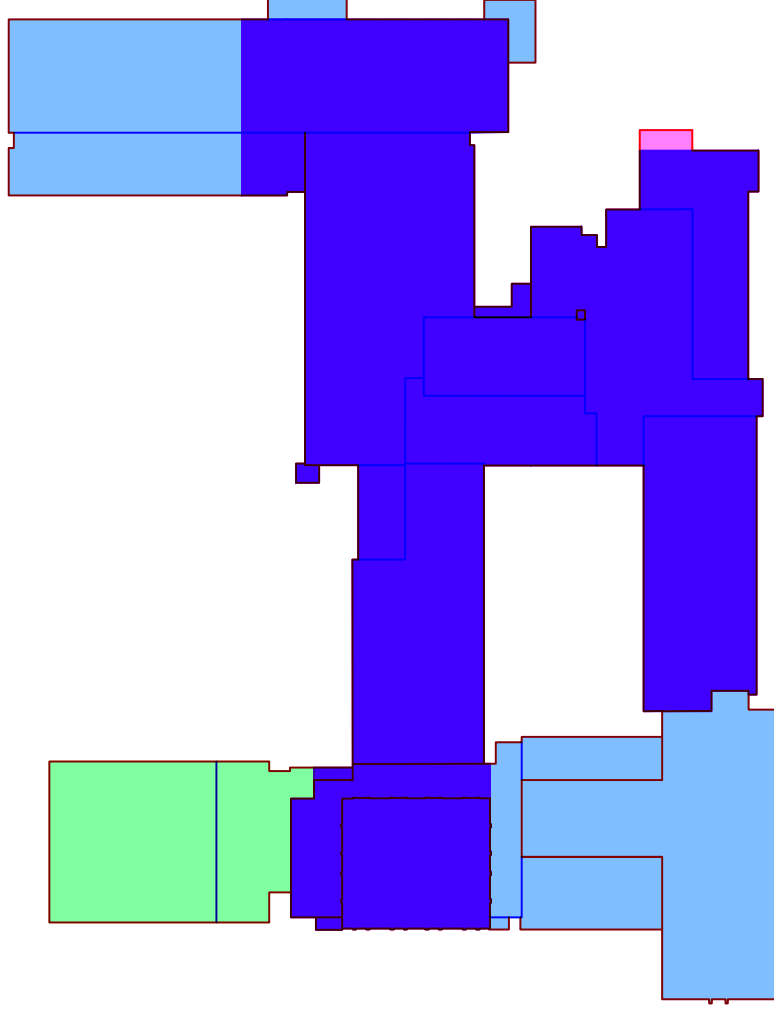
***Netlab subcontracts the following tests: Radiologicals, Radon, Asbestos, UCMs, Perchlorate, Bromate, Bromide, Sieve, Salmonella, Carbamates

APPENDIX E

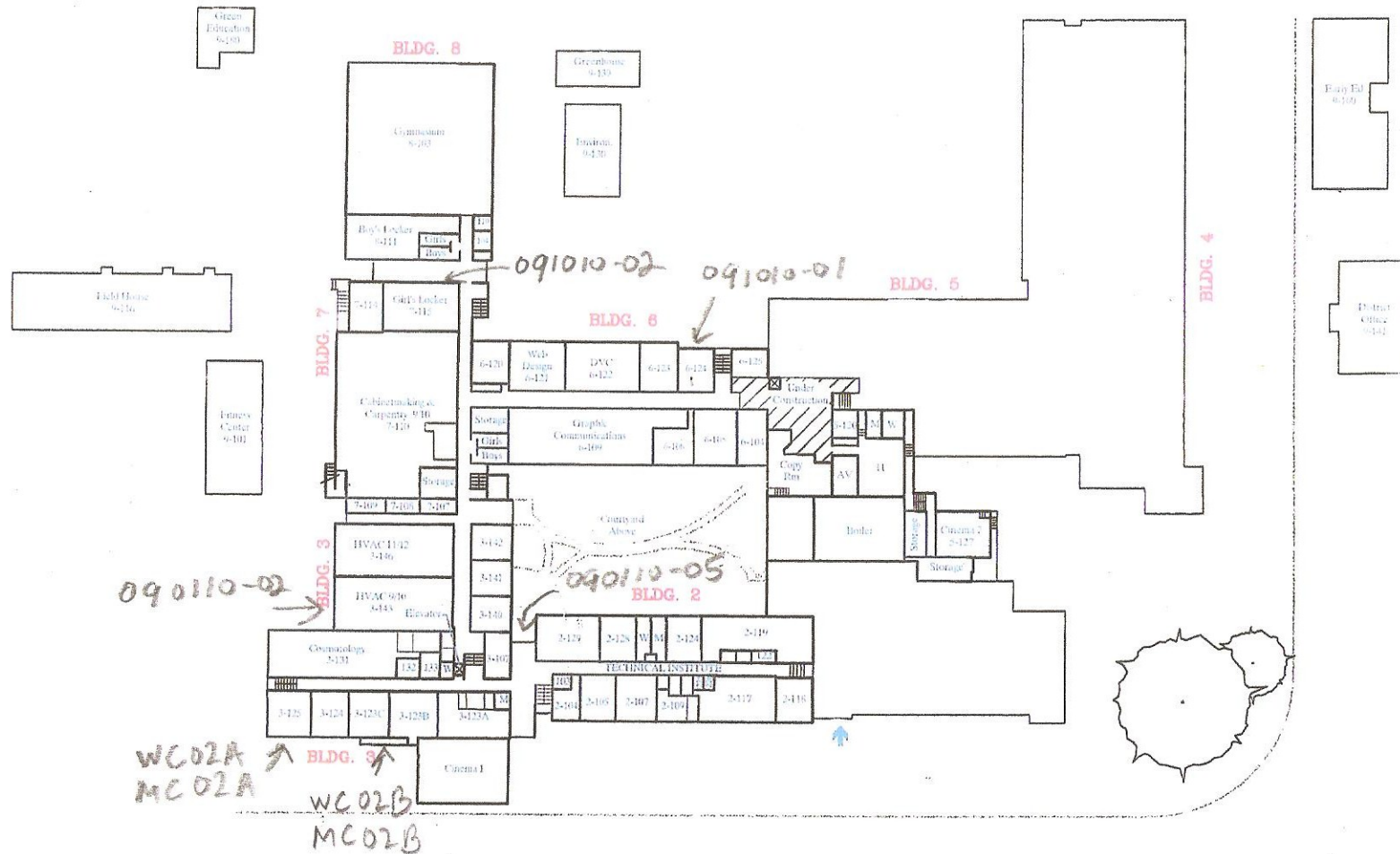
Building Diagrams of Sample Locations

KEY PLAN - LEGEND:

- 1965 ORIGINAL BUILDING
- 1974 ADDITION
- 1990'S ADDITION
- PROPOSED ADDITION



Southeastern Vocational Technical High School



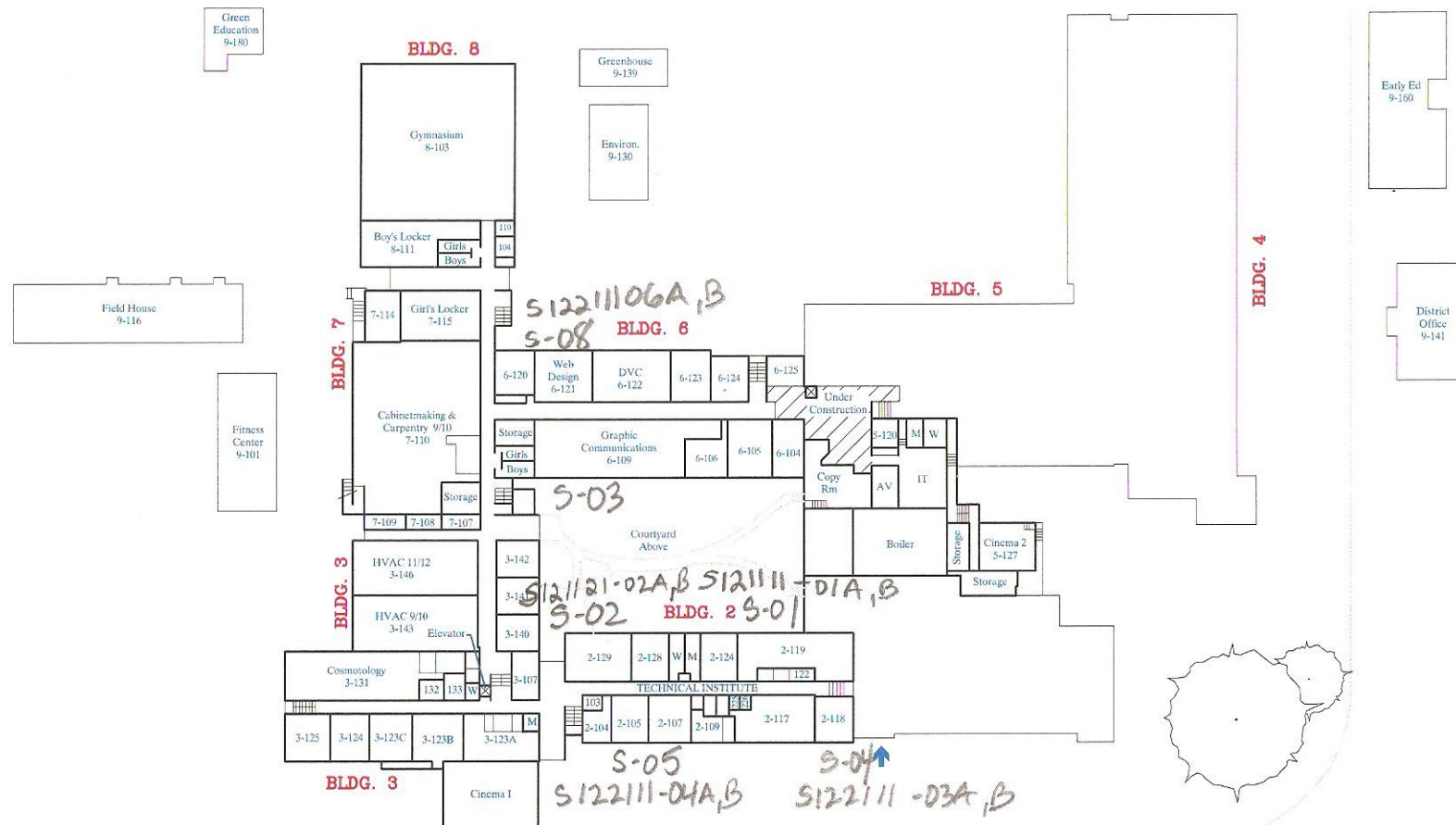
LOWER LEVEL

Caulk/Glazing



Soil samples

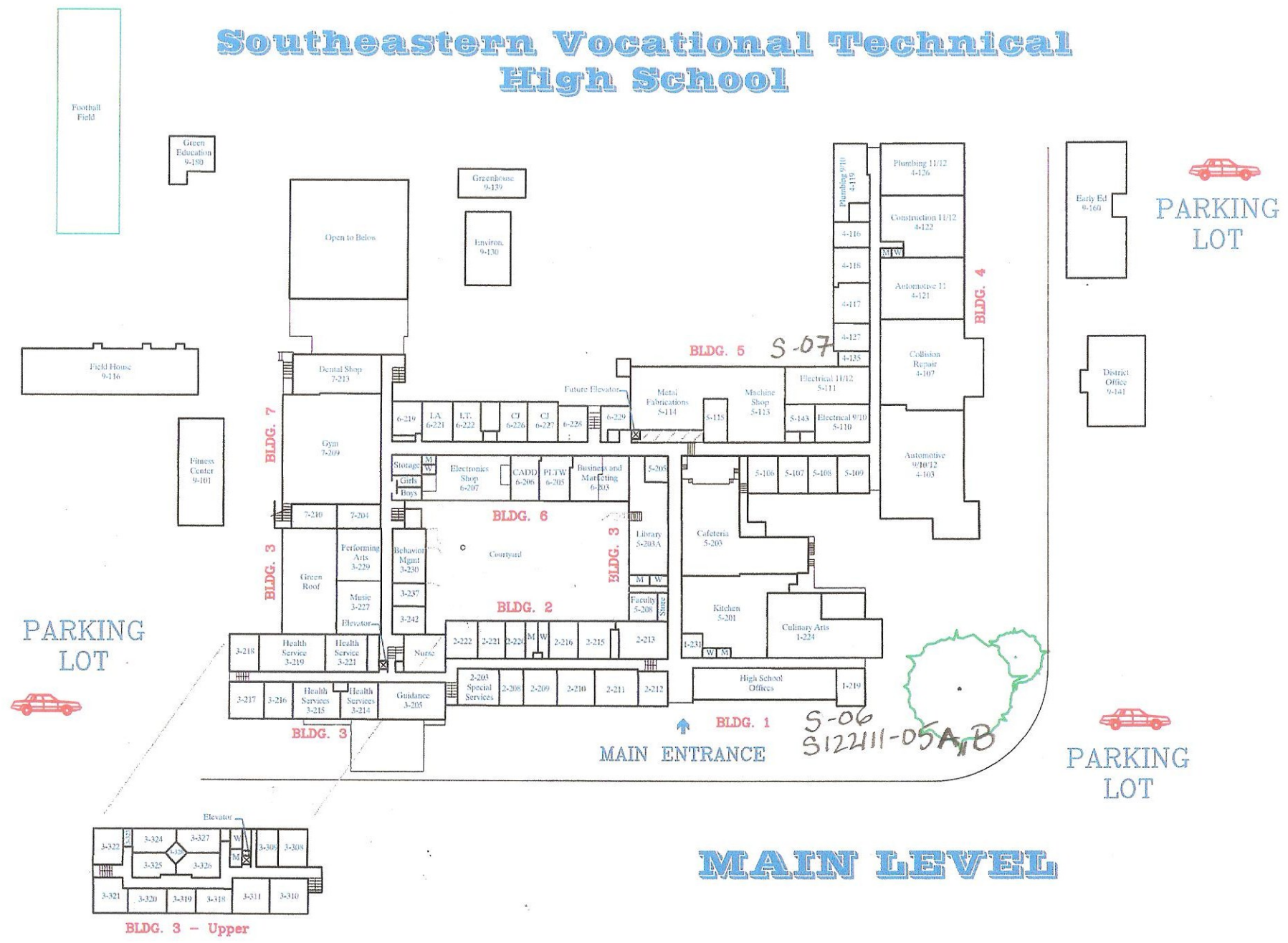
Southeastern Vocational Technical High School



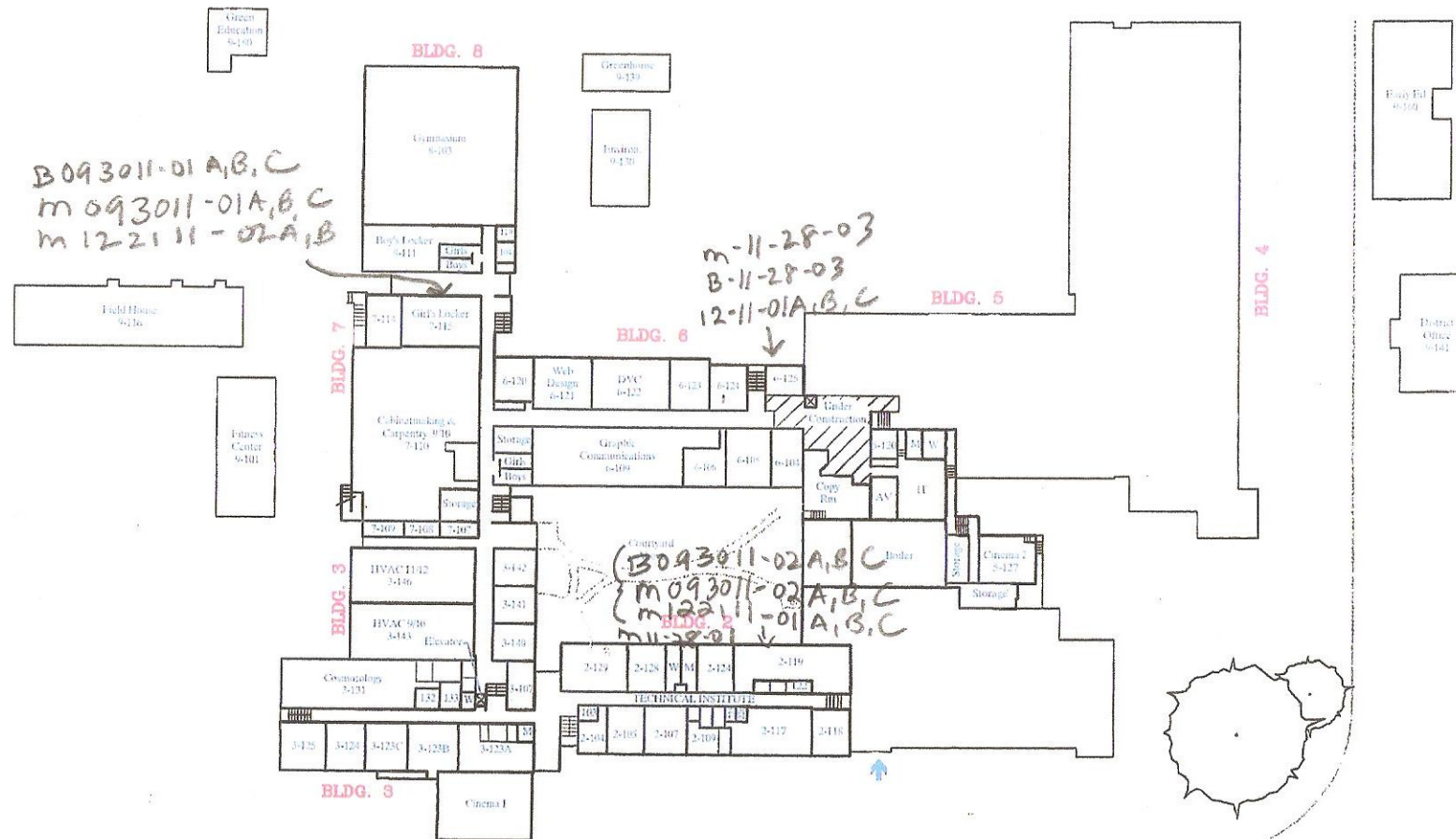
LOWER LEVEL

Soil Samples

Southeastern Vocational Technical High School



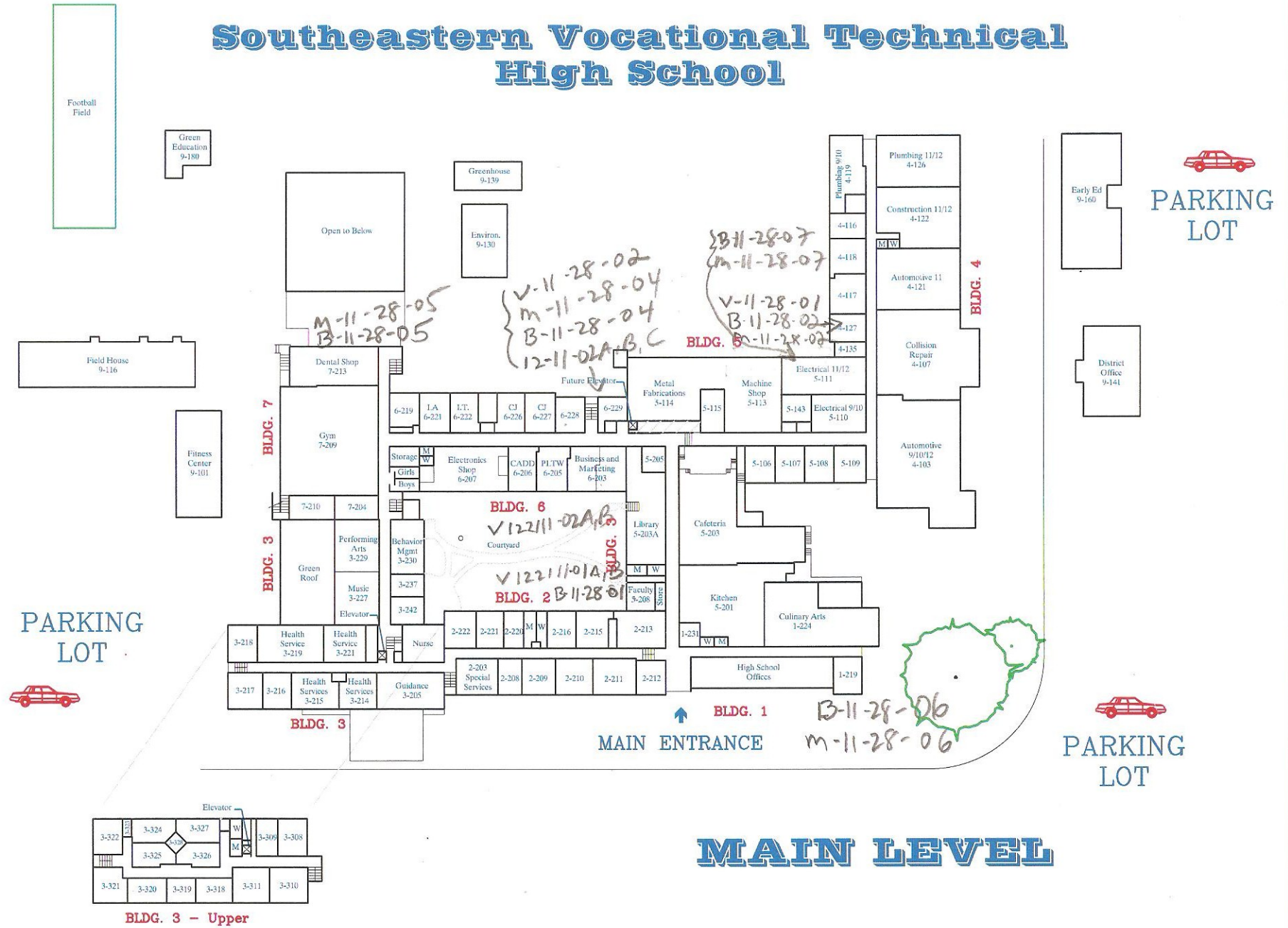
Southeastern Vocational Technical High School



LOWER LEVEL

Substrates

Southeastern Vocational Technical High School



MAIN LEVEL

APPENDIX F

Photos

Southeastern Regional Vocations Technical High School, South Easton, MA – PCBs Photos



Concrete window mullion close-up with caulk abutting window frame



Typical window section



Two-story window section in front



Close-up caulk abutting concrete mullion/window panel



Two story window section in rear



Vent caulk abutting concrete

Southeastern Regional Vocations Technical High School, South Easton, MA – PCBs Photos



Vent caulk abutting brick



Typical window section



Window caulk abutting brick

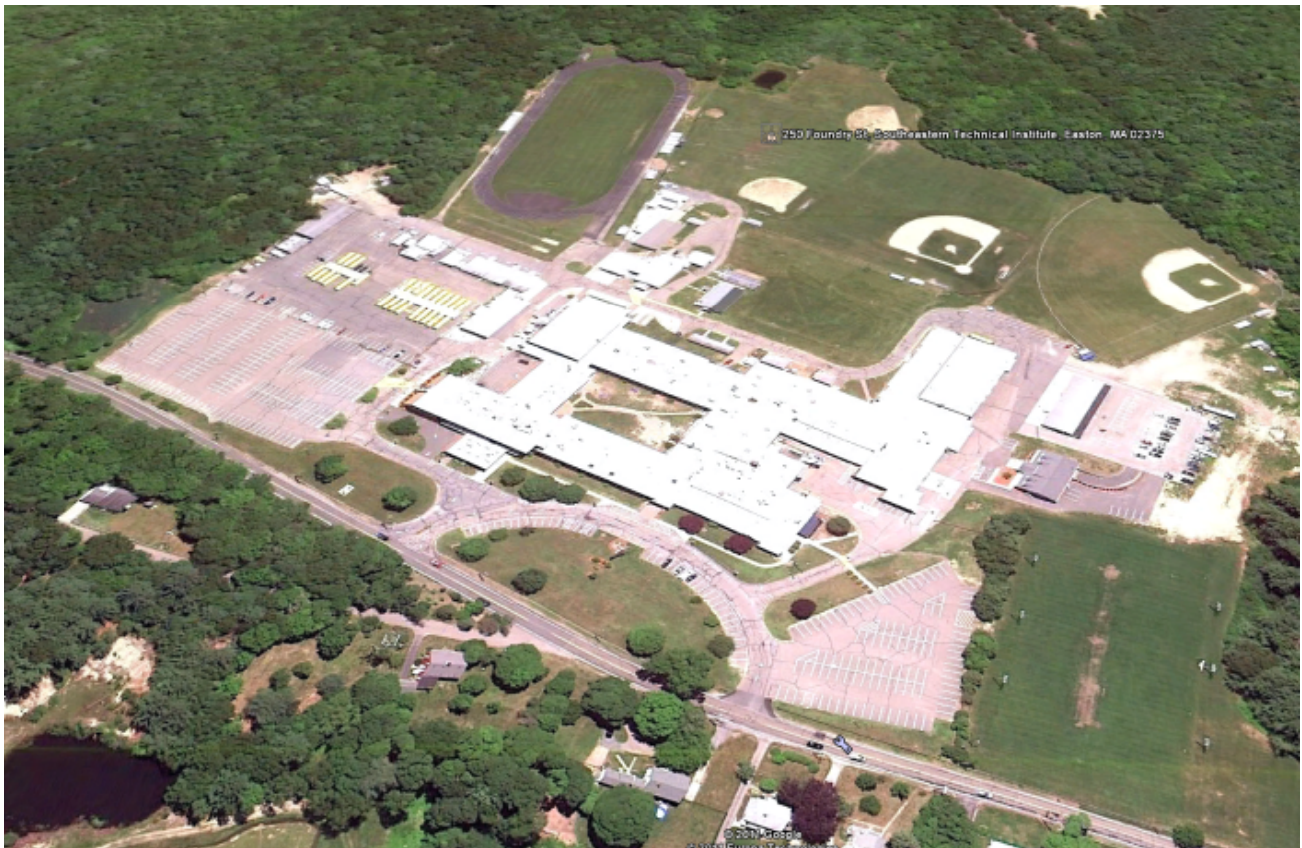


Window glazing compound, typical

APPENDIX G

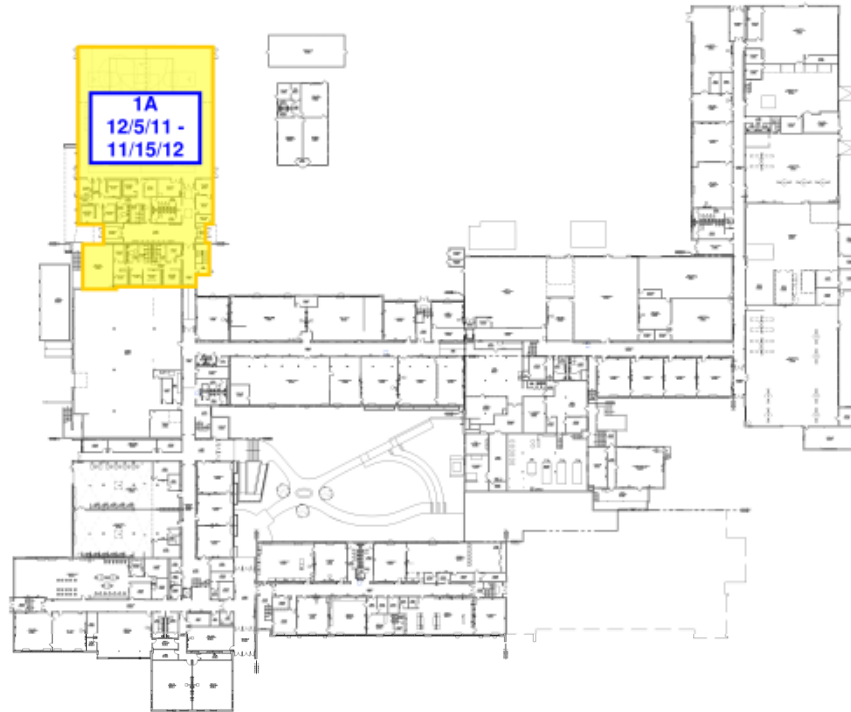
Construction Phasing Plans

SERVTHS Phasing Plan



SCHOOL YEAR

Phase 1: 11/19 2011 - 8/31 2012



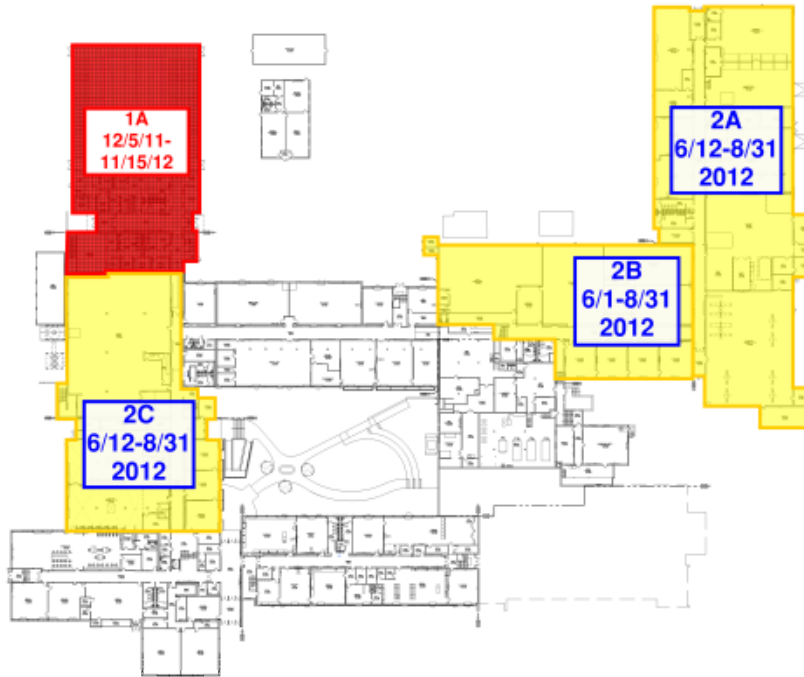
New Construction / First Floor Renovations

1A: New Gym Addition/Integrated Renovated Locker Room

The new construction phase of the Project Consists of a 15,000 sqft new gym structure . The Superstructure will consist of structural steel core with a brick veneer/metal panel shell. This phase of construction will also entail the renovation of part of the existing cabinet making shop. Once finished the renovated space will become additional locker rooms for the new gym.

SUMMER 2012

Phase 2: 6/12 - 8/31 2012

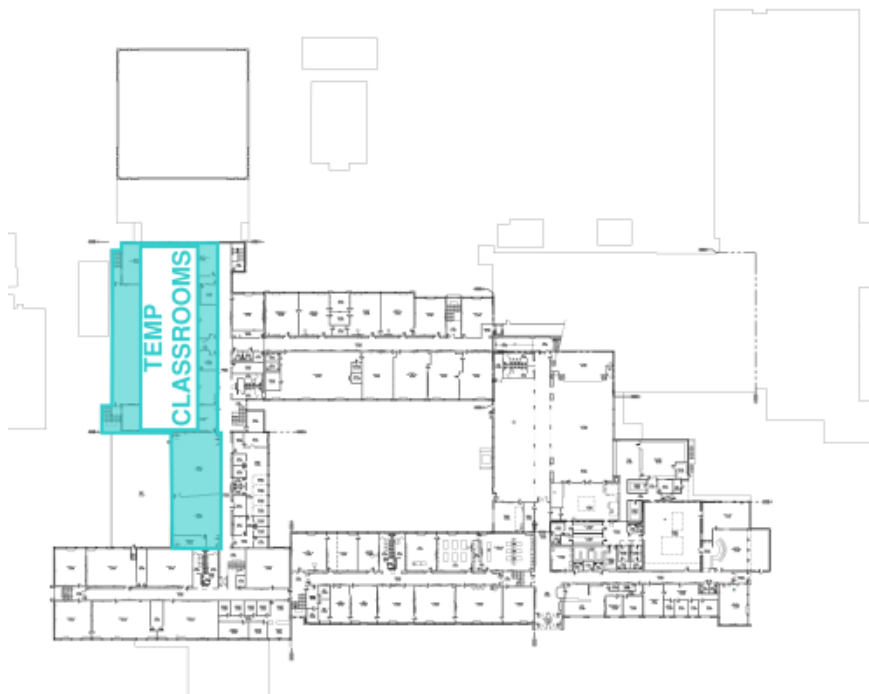


First Floor

2A: Science/PL/AM/CL/SPED
to serve same purpose

2B: MF/MS/EC to serve same
purpose with the addition of the
new elevator

2C: HVAC/Cabinet Making to
serve same purpose



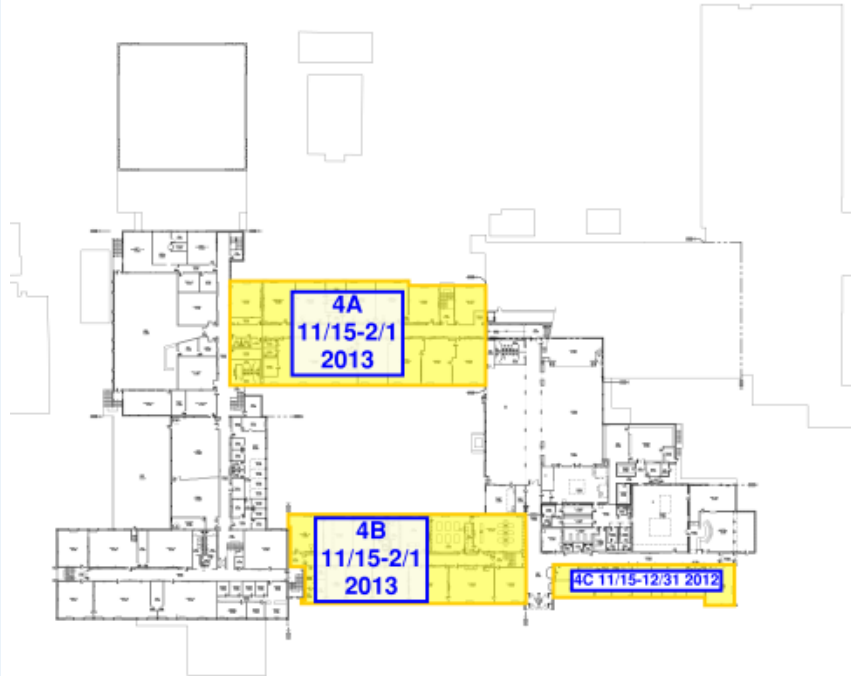
Second Floor

SERVTHS to convert
existing Large and Small
Gyms into Temporary
Classrooms for Transition
space prior to phase 4
starting

SCHOOL YEAR

Phase 4: 11/15 - 2/1 2013

Second Floor



4A: Engineering/Criminal Justice/Computer Labs to serve same purpose

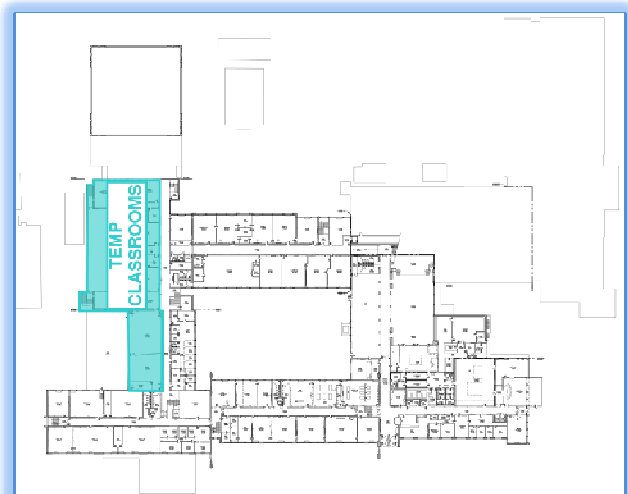
4B: Math Wing to become STE/SPED/Physics Lab/Classrooms

4C: Existing Admin to serve same function

Student Transition Locations

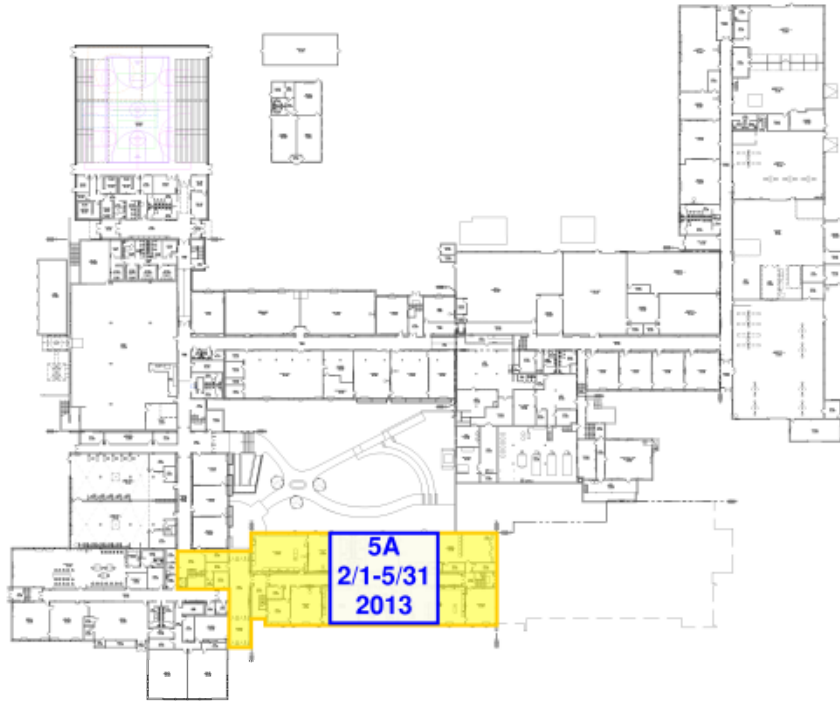
4A relocation to will be into the large gym

4B and 4C relocation will be to School Defined Locations



SCHOOL YEAR

Phase 5: 2/1 – 5/31 2013



First Floor

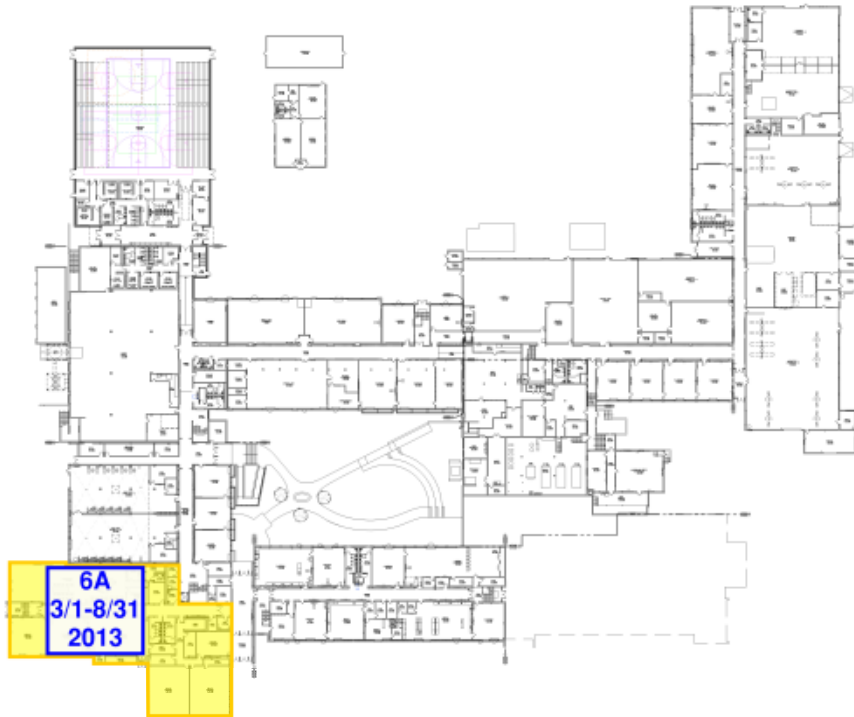
**5A: Nursing/Dental &
Medical Assisting/
Classrooms to serve
same purpose**

Student Transition Location

Students will be on cooperative semester therefore no transition space is required – however transition classrooms in the small and large gym will be available as needed

SCHOOL YEAR / SUMMER 2013

Phase 6: 3/1 – 8/31 2013



First Floor

6A: Performing Arts/
Early Ed/
Cosmetology
to become
Cosmetology/Health &
Medical
Assisting/Biotech

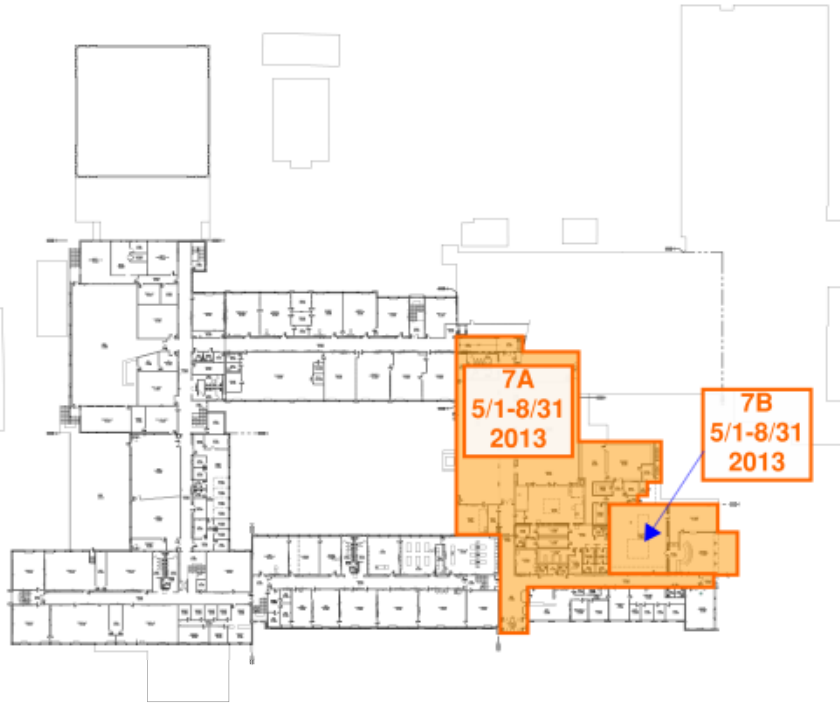
Student Transition Location

Students will be on cooperative semester therefore no transition space is required – however transition classrooms in the small and large gym will be available as needed

SCHOOL YEAR / SUMMER 2013

Phase 7: 5/1 – 8/31 2013

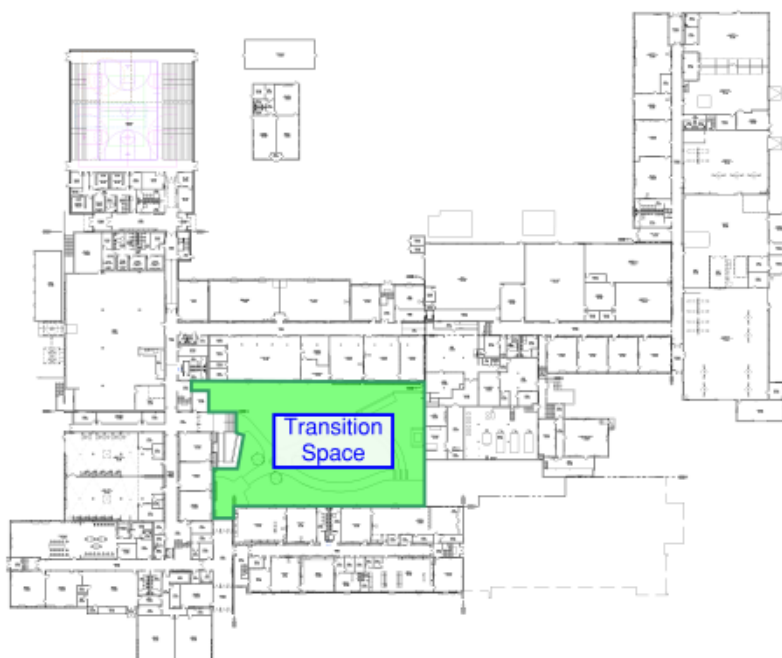
Second Floor



7A & 7B: Food Service and Cafeteria to serve same function when construction is complete

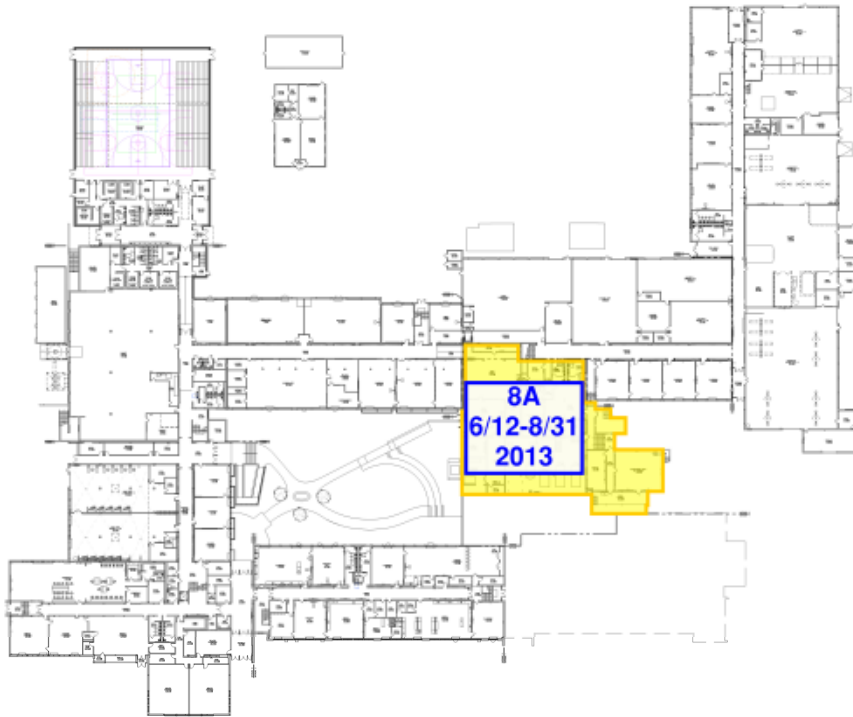
Student Transition Locations

For month of May students will get boxed lunches and use the courtyard as the relocation area for the cafeteria



SUMMER 2013

Phase 8: 6/12 - 8/31 2013



First Floor

8A: Custodial to
serve
same purpose



Second Floor

8B: Large Gym to
become
Media Center/Dental
Assisting

8C: Small Gym will be
constructed into
Music/Drama & Resting
Rooms

SUMMER 2013

Phases 8: 6/12 - 8/31 2013

Third Floor

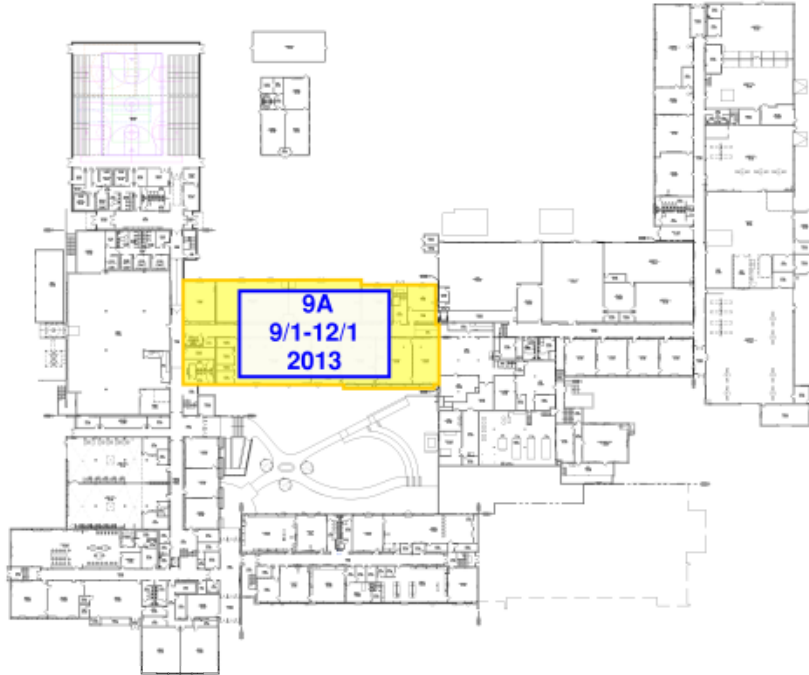
8D : to become
the SPED &
Classrooms



SCHOOL YEAR

Phase 9A: 9/1 - 12/1/2013

First Floor



9A: Web Design/Graphics/Visual Arts/English to serve the same purpose

Student Transition Locations

Transition spaces will be newly created classrooms

SCHOOL YEAR

Phase 9B: 9/1 – 12/1/2013

Second Floor

9B: Health
Services/Science
Rooms/Guidance/
Nurse
to become the
Science Wing



9B
9/1-12/1
2013

Student Transition Locations

Transition spaces will be
newly created classrooms